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EXTERNAL SPECIFICATION
CHORUS PRO

API CONNECTION MODE APPENDIX

Version - Date	Issuer	Status/Track changes

V5.0
15/01/2020
	AIFE	• Update of the kinematics
		• Removal of unmigrated APIs from PISTE
		    ↓ activerOuDesactiverRattachementsDunUtilisateurAUneStructure
		    ↓ modifierStructure
		    ↓ ajouterEspace
		    ↓ consulterCompteUtilisateur
		    ↓ consulterStructureAvecTVAIntracom
		    ↓ demanderAbonnementsMonCompteUtilisateur
		    ↓ modifierServiceStructure
		    ↓ modifierUtilisateurParGestionnaire
		    ↓ rechercherDemandesAbonnementEnAttenteParGestionnaire
		    ↓ rechercherDemandesRattachEnAttenteParGestionnaire
		    ↓ rechercherUtilisateursGeresParGestionnaire
		    ↓ rechercherUtilisateursRattachesService
		    ↓ rechercherUtilisateursRattachesStructure
		    ↓ rechercherUtilisateursValides
		    ↓ recupererAbonnementsMonCompteUtilisateur
		    ↓ recupererServicesParStructure
		    ↓ validerRattachementUtilisateur
		    ↓ recupererServicesPourDemandeRattachEnAttente
		    ↓ recupererStatutsUtilisateur
		    ↓ recupererStructuresGereesParGestionnaire
		    ↓ recupererUtilisateursDuService
		    ↓ refuserDemandeAbonnementParGestionnaire
		    ↓ refuserRattachementUtilisateur
		    ↓ remplacerGestionnairePrincipal
		    ↓ saisirGeneralitesNouvelUtilisateurParGestionnaire
		    ↓ saisirGeneralitesStructure
		    ↓ supprimerAbonnementMonCompteUtilisateur
		    ↓ supprimerEspace
		    ↓ supprimerRattachStructureMonCompteUtilisateur
		    ↓ supprimerServiceStructure
		    ↓ supprimerUtilisateurRattacheStructure
		    ↓ validerDemandesAbonnementParGestionnaire

V4.10 14/11/2018	AIFE	• Modification of the services consulterFactureParFournisseur, completerFacture, refuserFactureTravaux and recyclerFactureTravaux : *Update of the input data table (deletion of the attributes numeroFacture, identifiantFournisseur and typeIdentifiantFournisseur)* • Correction of the service recyclerFacture : *Addition of the following error messages : from 20004 to 20014* • Correction of the service soumettreFacture : *The pieceJointePrincipaleId attribute can also be provided by the service ajouterFichierDansSysteme* *Update of the input data table (management rules and multiplicity of the montantTtcTotal attribute, management rules of the montant RemiseGlobaleTtc attribute)* *Update of the error messages table (errors 20013, from 20303 to 20305)* • Correction of the service soumettreFactureTravaux : *Update of the error messages table (addition of the following errors : from 20003 to 20005, 20042, 20064, 20065, from 20127 to 20129, from 20131 to 20134)*

		• Correction of the service rechercherFactureParFournisseur : *Update of the input data table (addition of the attributes periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu, deletion of the attribute idUtilisateurCourant)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the error 20003)* • Correction of the service rechercherFactureParRecipiendaire : *Update of the input data table (addition of the attributes rechercheSirenDestinataire, periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the errors 200, 400 and 20001)* • Correction of the service rechercherFactureTravaux : *Update of the input data table (addition of the attributes rechercheSirenDestinataire, periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the error 20008)* • Correction of the service rechercherDemandePaiement : *Update of the input data table (addition of the attributes rechercheSirenDestinataire and rechercheSirenFournisseur)* *Update of the output data table (addition of the attribute commentaireEtatCourant)* *Update of the error messages table (addition of the error 20007)* • Correction of the service consulterSollicitation : *Update of the output data table (addition of the attribute historiqueDetaille and update of the attribute historique)* • Update of the services rechercherSollicitationsEmises, rechercherSollicitationsRecues, repondreSollicitation: *Update of the input data table (addition of the enumeration of values of the attribute statut)* • Update of the service consulterSollicitation: *Update of the input data table (addition of the enumeration of values of the attribute statut)*
V4.01 14/09/2018	AIFE	• Modification of the management rule applied on the attribute numeroFactureSaisi of the service soumettreFacture. The numeroFacture is automatically generated by the Chorus Pro system (2.2.1.4) • Modification of the description of service deposerFluxFacture : the maximal size of compressed flow is 30 Mo if and 10 Mo if the flow is not compressed (2.2.1.1) • Modification of the calculation method for the field montantTtcTotal of the service soumettreFacture (2.2.1.4)
V4.00 04/06/2018	AIFE	• Addition of a summary table on API § 2.1 • Addition of references to every API method for each API • Removal of the management rule G2.10 relating to the intra-community VAT number • Transfer of Chapter 6 from *External Specification Chorus Pro document* introducing API services and sequence charts (§ 1) • Correction of the service RechercherServicesStructures: *Removal of the attribute nbrResultatMaximum* • Removal of part 1.2.2 User Assistance

		• Removal of part 1.2.5 Input and output tables of the API services
		• Removal of part 1.2.6 Flow monitoring
		• Removal of part 1.2.7 Commitment management
		• Removal of part 1.2.8 Input and output tables of referentials and transversal services
		• Removal of the CII14B references

FOREWORD

This appendix relative to the API connection introduces to the connection rules and opportunities offered by the API mode.

In the first chapter, every offered service is described through clear sequence charts.
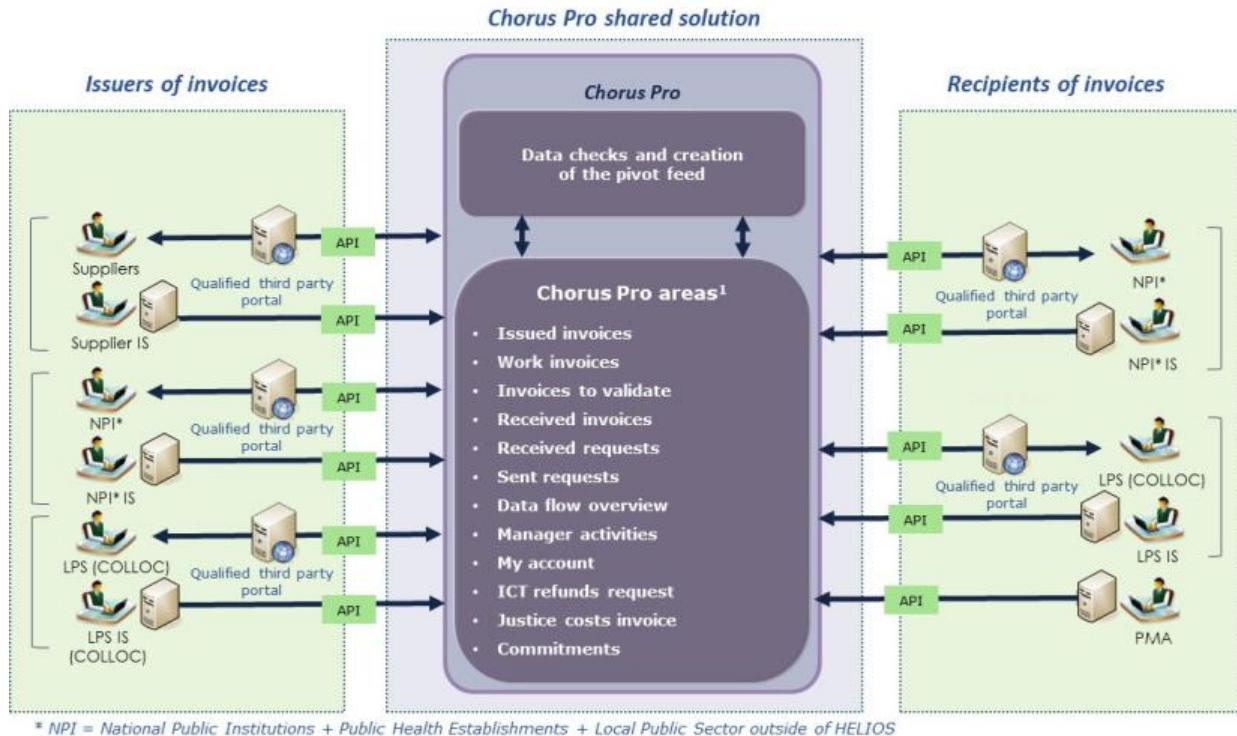
In the second chapter, input and output tables as well as error tables available with the API specify the cardinality of the attributes, management rules and the formats linked to the attributes. They also define the usable referential in order to make easier the right use of associated attributes. Please note that these tables only concern those who are still connected in certificate mode. For those using the new PISTE connection mode in OAuth2: information on Chorus Pro API in OAuth2 mode is available in the PISTE technical documentation (Swagger) available at the following address: https://developer.aife.economie.gouv.fr/.

Furthermore, the appendix delivers examples of JSON and WADL files. They are needed to develop the right connection mode for API. They are updated and published at every additional development of Chorus Pro.

They respect the integration rules of the solution that are specified in the External Specifications Chorus Pro document. These examples are also only valid for partners who are still connected in certificate mode.

However, kinematics and a test function are available in the technical documentation (Swagger) of PISTE available at the following address: https://developer.aife.economie.gouv.fr/.

1   PRESENTATION OF THE SERVICE MODE

1.1   The operating principle of the APIs

1.1.1   Presentation of the service offering

The Service mode (via the APIs) allows the use of all the functions available to the users of Chorus Pro in Portal mode from the IT tools already deployed at the partner structures. There are two possible methods of integration:

- Integration into the information systems of the partner organisations: The APIs are integrated directly into the information and management systems of the structures transmitting and receiving invoices. Users benefit directly from the functionalities of the solution from their usual computing tools.

- Integration into third party portals: certain public entities already use third party portals, offering various value-added services to their suppliers (for example: merging with an order or delivery). These portals can also offer features from Chorus Pro to their users. The authentication of users connecting from a third party portal is done through France Connect Enterprises.

1.1.2 API exchange formats

The recommended formats for API exchanges are mainly XML and JSON formats. The documentation relative to each API indicates the right format depending on the response sent. By using HTTP POST method, the format of the content must be precisely detailed. It must correspond to the right format expected by the matching API. The language used in these exchanges is generally French in the back format and UTF-8 for encoding content. The request formats are:

- For JSON type: application/json

1.1.3 Content negotiation

In the case of another format is required during an API exchange, by using headers Accept (ie: Accept, Accept-Encoding, Accept-charset…), if the service is not able to produce this format, a code 406-Not accepted format is returned.

1.1.4 API connection mode

All transmitting or receiving structures wishing to select the API channel must first create an API connection to chorus PRO.
Until mid-January 2020, the connection to Chorus Pro in API required an authentication by certificate.
Since mid-January 2020, the connection to Chorus Pro in API no longer requires a certificate, but instead requires registration on the PISTE platform and an authentication according to the OAuth2 protocol.

For more information on the connection modalities, please refer to the documentation published on the Chorus PRO community, available at the following address: https://communaute.chorus-pro.gouv.fr/documentation/connection-to-chorus-pro/?lang=en#1578057218705-f5a4c579-b26d

1.1.5 PISTE and the authentification in OAuth2 mode

The AIFE has set up the platform PISTE: the platform for the intermediation of services for French state transformation. This platform pools the API (Application Programming Interface) services of the State and the public sphere, covering in particular the Chorus Pro electronic invoicing.

A presentation of the PISTE platform is available at the following address: https://communaute.chorus-pro.gouv.fr/documentation/piste-presentation/?lang=en.

For calls to Chorus Pro in Oauth2 mode, an authentication token must be generated and renewed every hour. It can also be retrieved from the PISTE portal, especially during the test phase.

For a detailed presentation of how to make Chorus Pro calls in Oauth2 mode, please refer to the Chorus Pro Community's "Help for API developers in Oauth2 mode" section: click here.

You can then discover more information about the Chorus Pro APIs in OAuth2 mode in the PISTE technical documentation (Swagger), available at: https://developer.aife.economie.gouv.fr/.

1.1.6 Returned codes of API requests in certificate mode

The HTTP returned codes are following:

Code retour	Description
200	Successful request
400	Badly formulated request
401	Authentification informations missing or the technical account password has expired
403	Certificate missing or unknown or page not found

404	Page not found
406	Format not accepted
429	The customer has sent too much requests in a given delay
500	Server intern error
503	Unavailable service
504	Exceeded waiting time

Additional informations (mainly functional) appear in the detailed response depending on the API. More informations in API technical documentation.

1.1.7 Returned code of API requests in OAuth2 mode

The HTTP return codes of the APIs are as follows:

Code retour	Description
200	Successful request
400	Badly formulated request
401	Authentification informations missing or the technical account password has expired.
403	Certificate missing or unknown or resource not found (wrong URL)
406	Incorrect encoding format in the Header (Accept-Charset and Accept-Language)
415	Information not present in the Header of the request (content-type) or wrong parameterization of this information (content-type and /or Accept must be valued at: application/json)
429	The customer has sent too much requests in a given delay
500	Server intern error
502	Technical error
504	Exceeded waiting time

1.1.8 Documentation

For partners connected in certificate mode, the documentation of the APIs is accessible via the following url: https://communaute.chorus-pro.gouv.fr/documentation/chorus-pro-api/?lang=en

For partners connected in OAuth2 mode, the technical documentation (Swagger) of the Chorus Pro PLCs is available on the PISTE portal at the address: https://developer.aife.economie.gouv.fr/en/

1.2 The services offered in the API
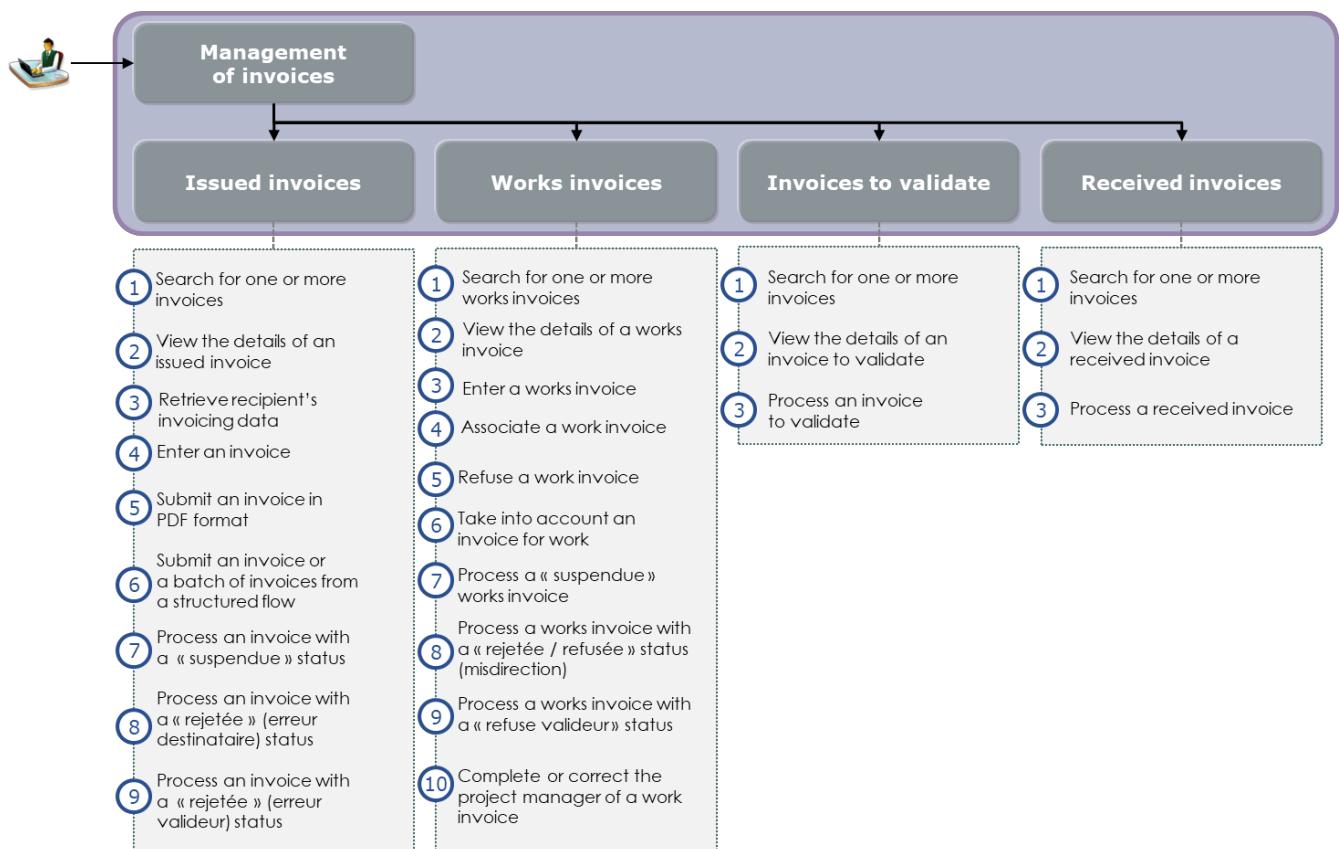
All of the features available on the portal of Chorus Pro will also be available in Service mode. These features have been grouped into six areas:

1. Management of payment requests
2. User assistance
3. Management of users and structures
4. Qualification
5. References and cross-services
6. Management of commitments

The following sequence tables are for guidance only. Each user is free to use the APIs according to his own needs. They only allow to break down the different services offered in APIs and the methods used. The kinematics of use facilitate their comprehension by a pictorial representation before going into the technical details of the input and output tables in the second part.
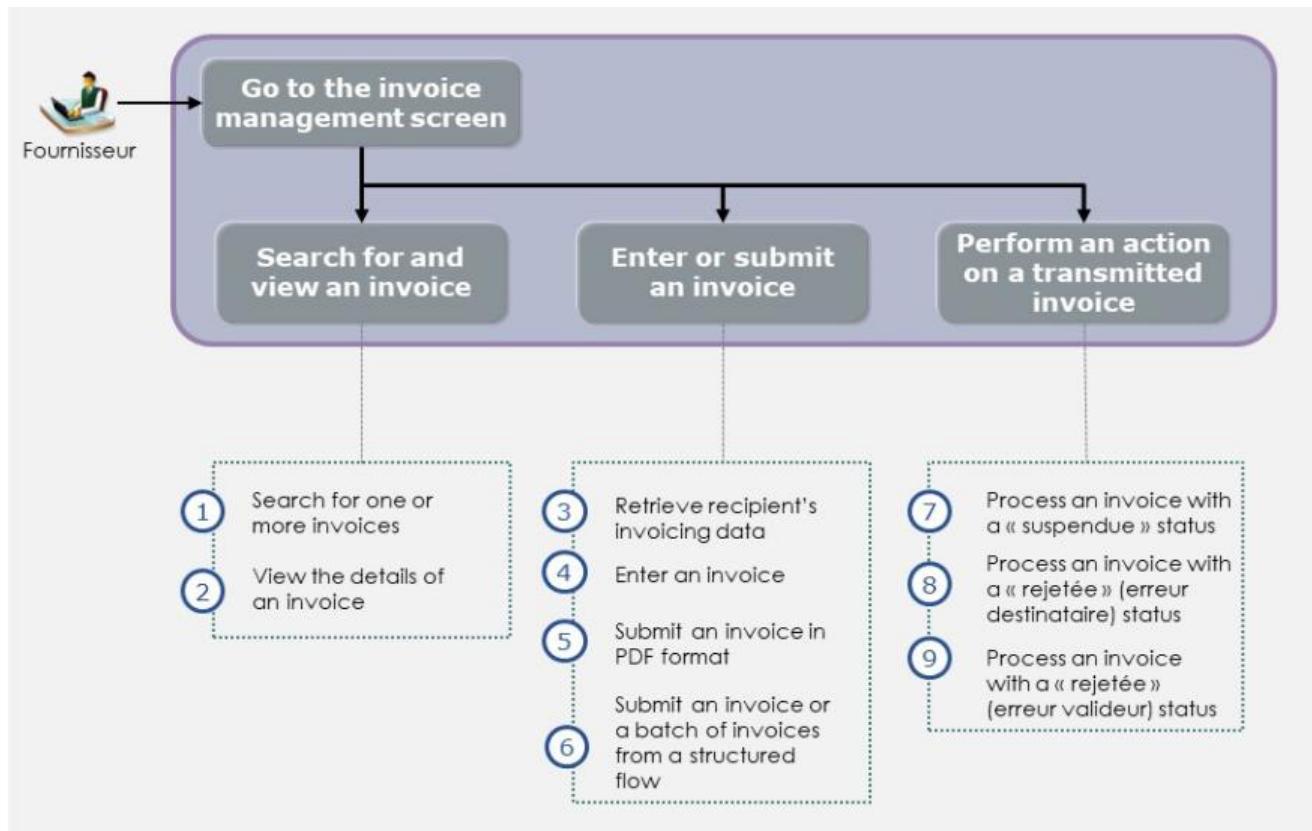
1.2.1   Management of payment requests

Overview of the services
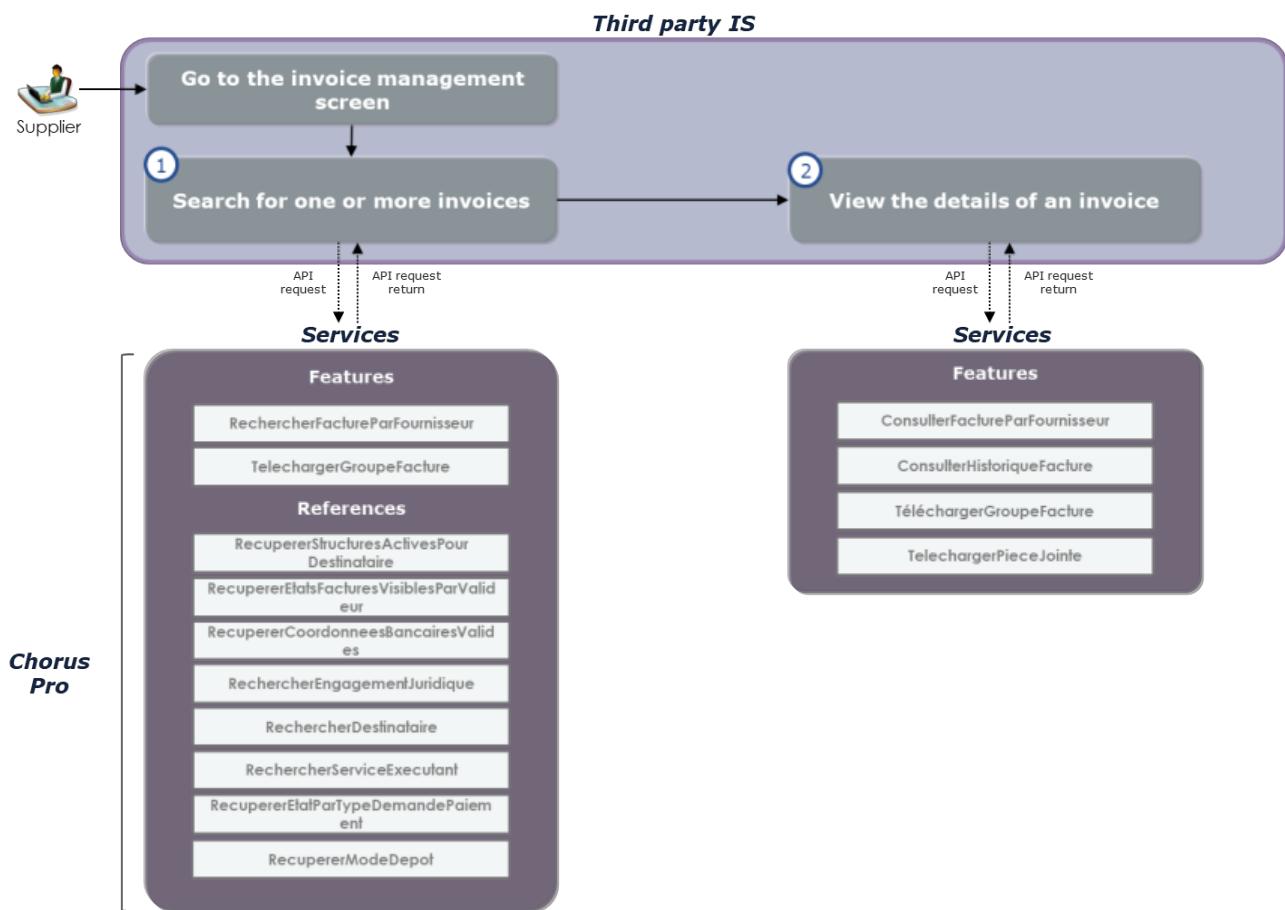
1.2.1.1 Kinematics of use: Issued invoices

The services of the "Issued invoices" domain provide access to the features of the issued invoice area of Chorus Pro. In particular, they allow a user to enter, submit or transmit an invoice flow. They also offer assistance for the transmission of invoices offered on the portal: recycling of invoices, removal of rejected invoices and modification of the validator of the invoice. They enable users to search for an invoice that was previously issued to Chorus Pro, to view its data and history, and to download it.

1.2.1.1.1   Search for and view an invoice
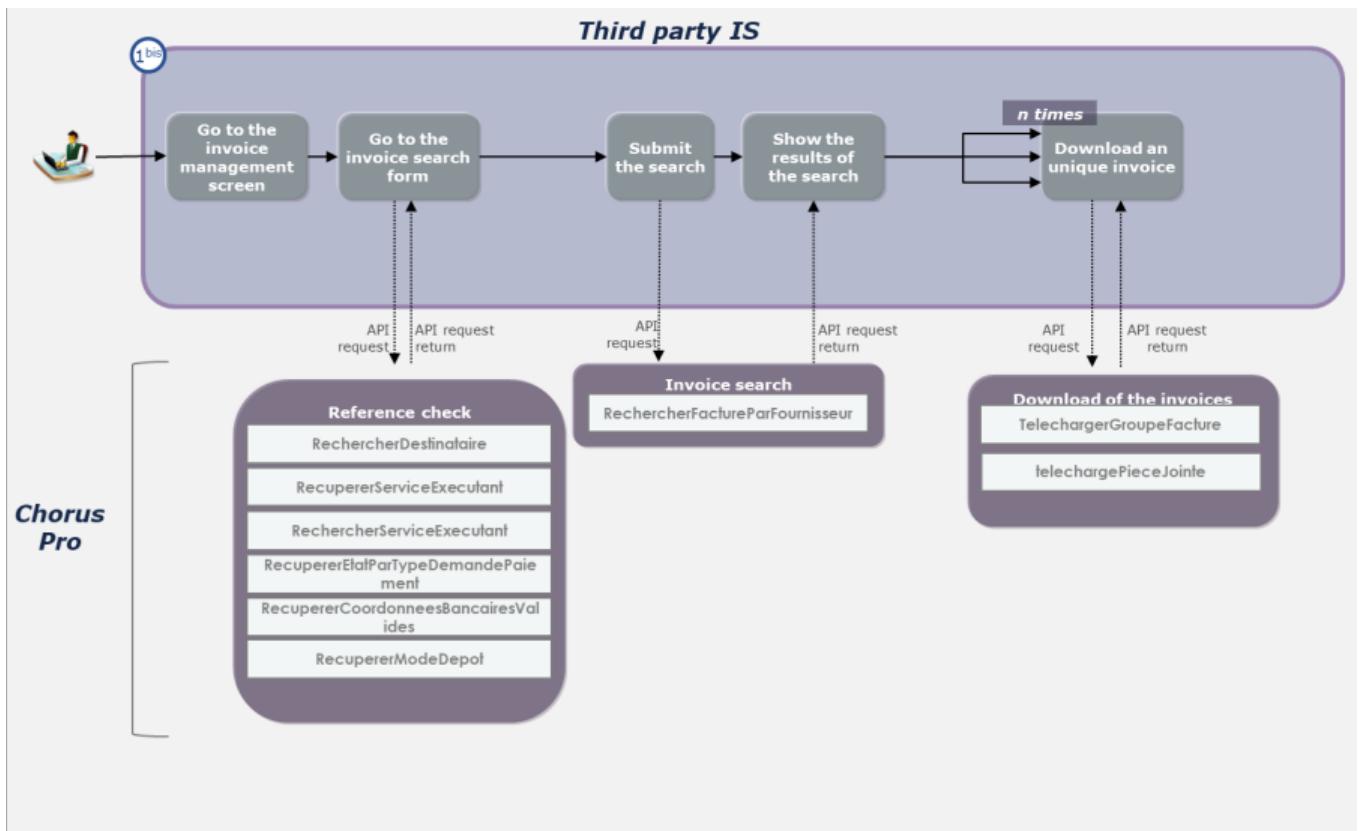
- ### Usage case 1.1.1: Search for one or more invoices

A supplier wants to search for an invoice submitted in Chorus Pro, download the invoices matching the search parameters or view the details of one of those invoices.
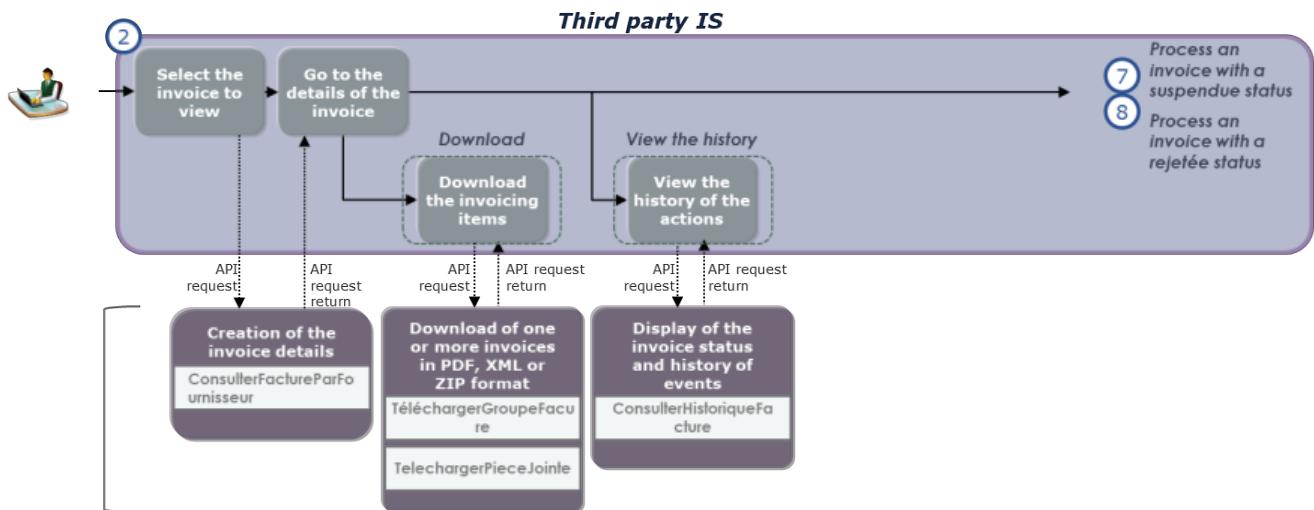
Variant

A supplier wants to download n invoices submitted in Chorus Pro. It is possible, in order to respect the limitations in terms of size of the request "telechargerGroupeFacture", to call this request n times and download the invoices on a unitary basis.
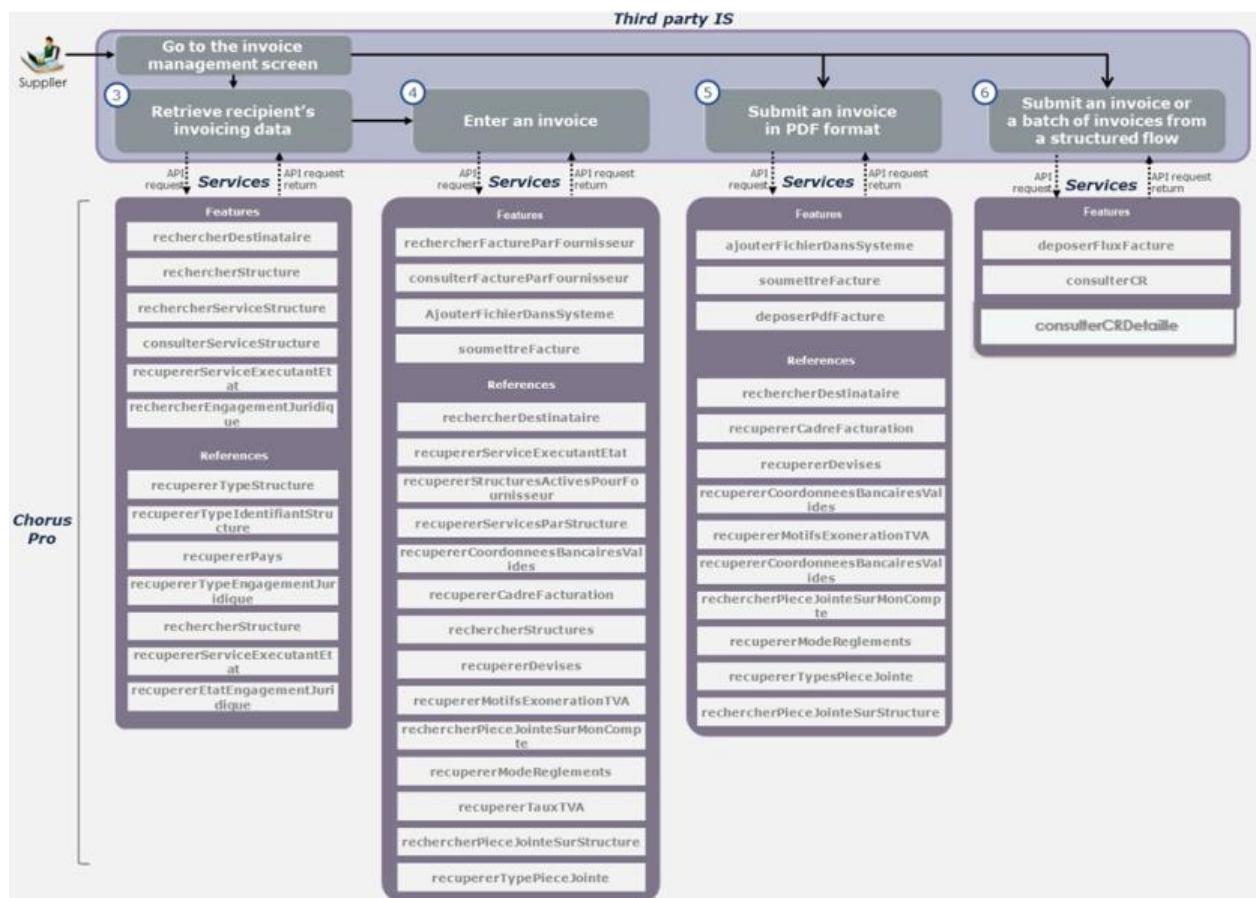
- **Usage case 1.1.2: View the details of an invoice**

A supplier wants to view the information concerning an invoice submitted in Chorus Pro. From this screen, they can download the invoice and/or its attachments, view the history of the actions pertaining to the invoice or initiate the processes that allow them to complete or recycle the invoice.
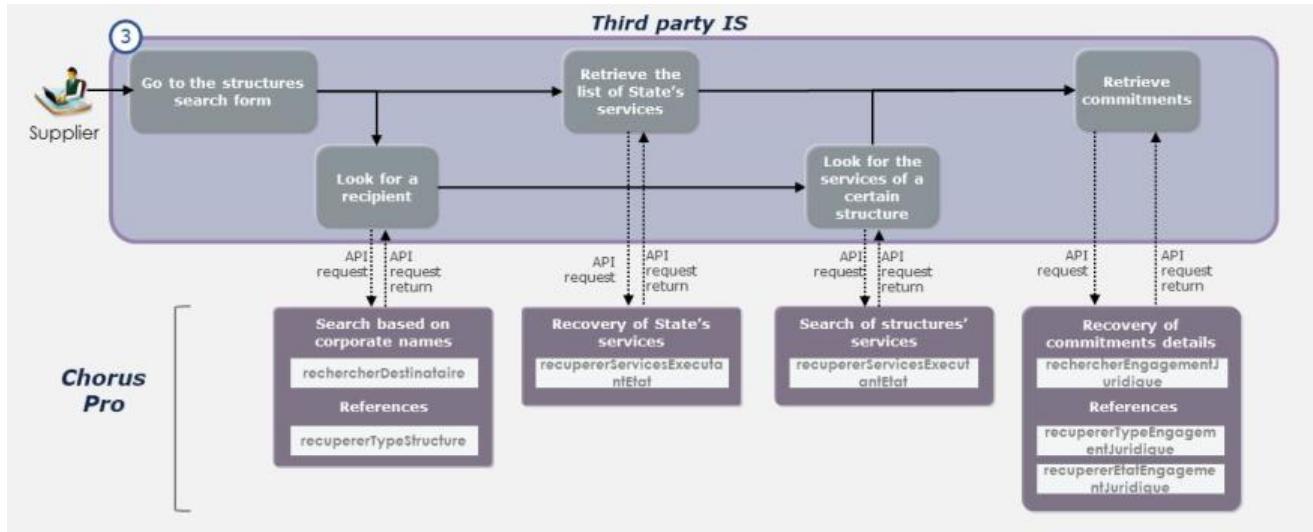
1.2.1.1.2   Enter or submit an invoice
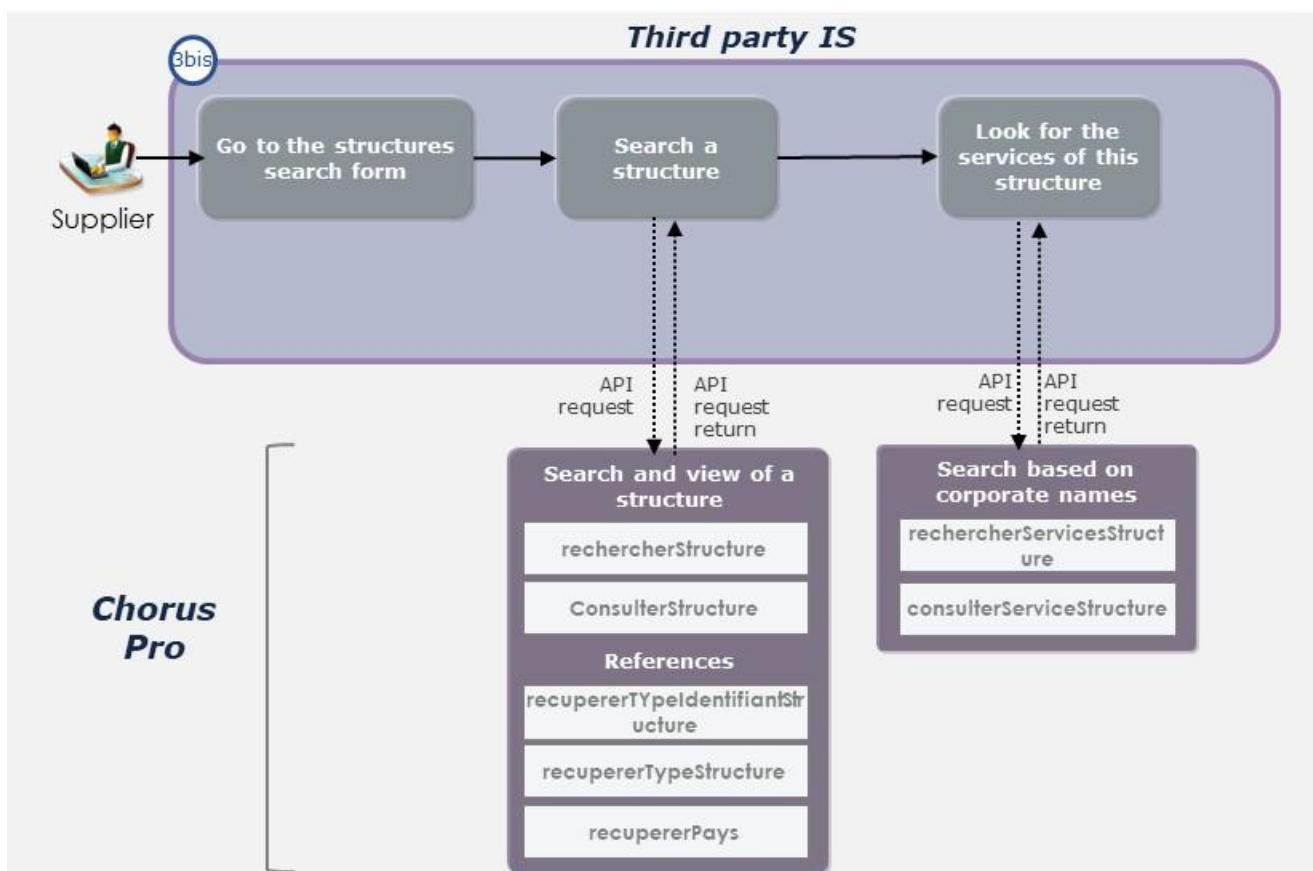
- ## Usage case 1.1.3: Recover invoicing data of a recipient

A supplier wants to recover invoicing data of a recipient linked to the SIRET identifier of the French State by using API from a third party information system or a value-added third party portal.
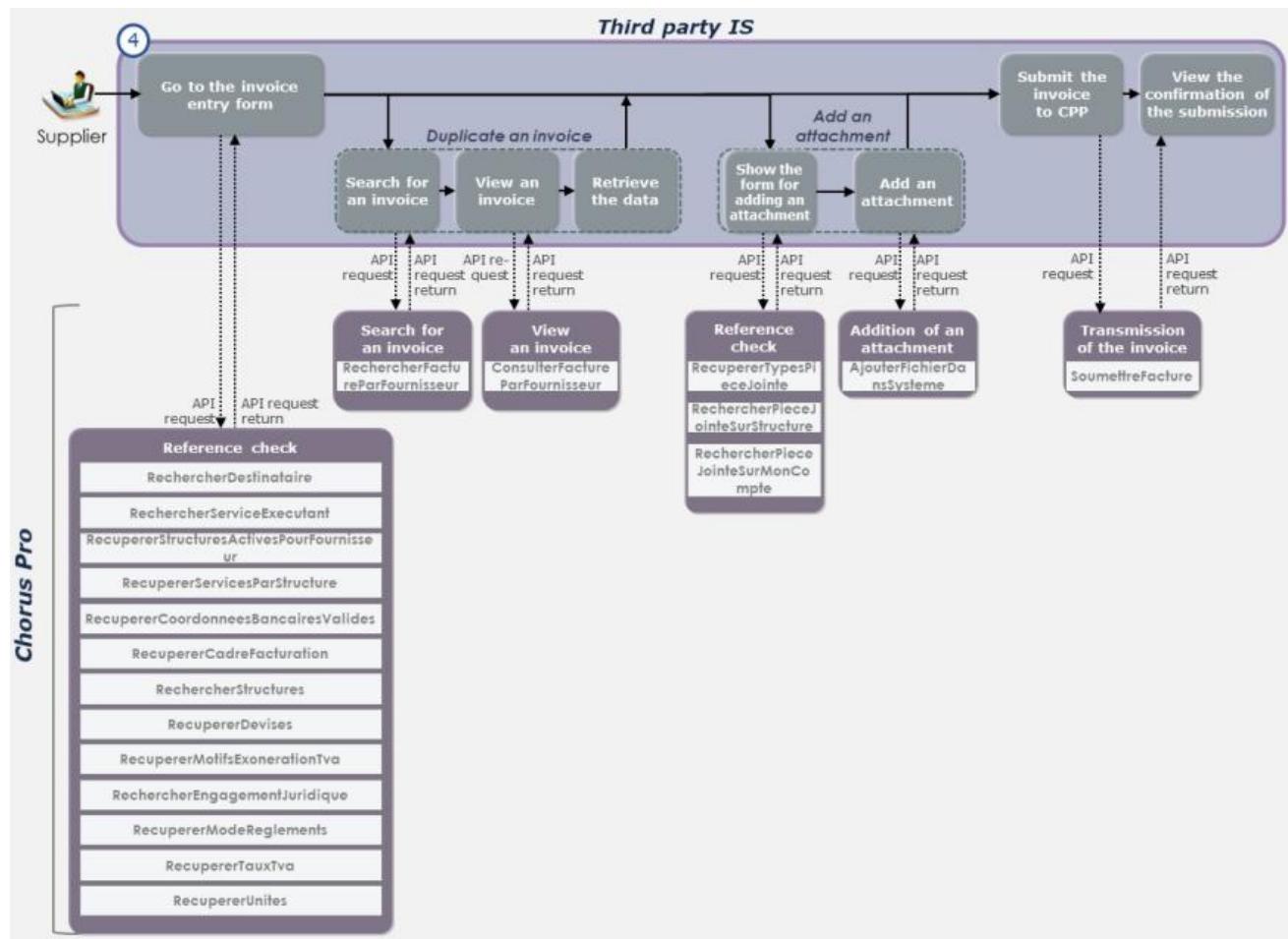
Variant

A supplier wants to recover invoicing data of a recipient **not linked** to the SIRET identifier of the French State by using API from a third party information system or a value-added third party portal.
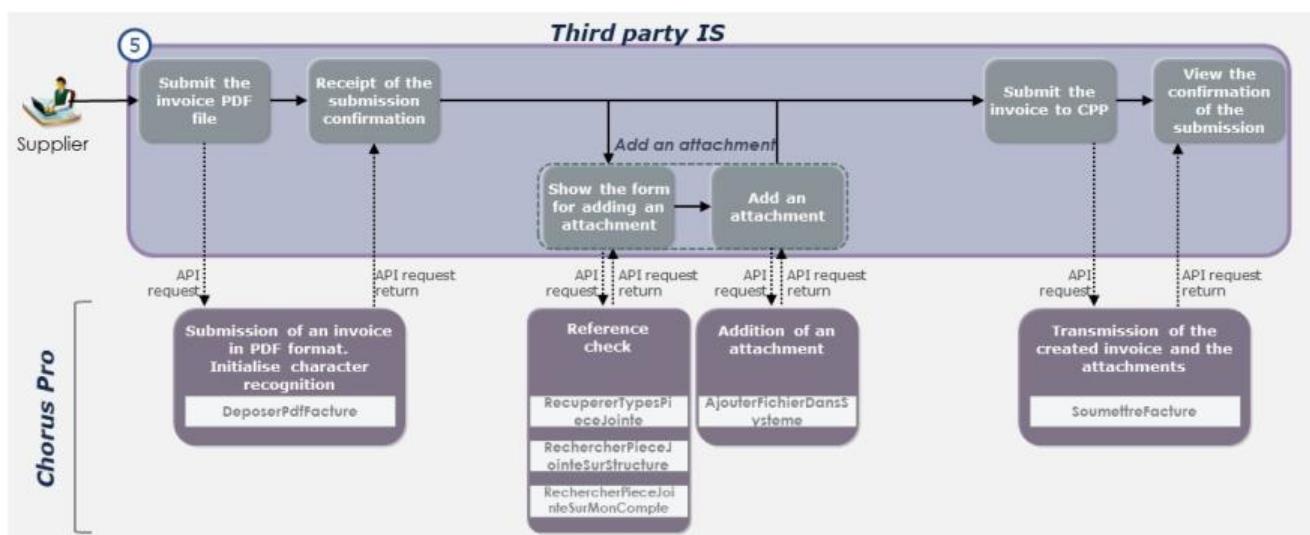
- **Usage case 1.1.4: Enter an invoice**

A supplier wants to enter an invoice from a third party information system or a value-added third party portal.
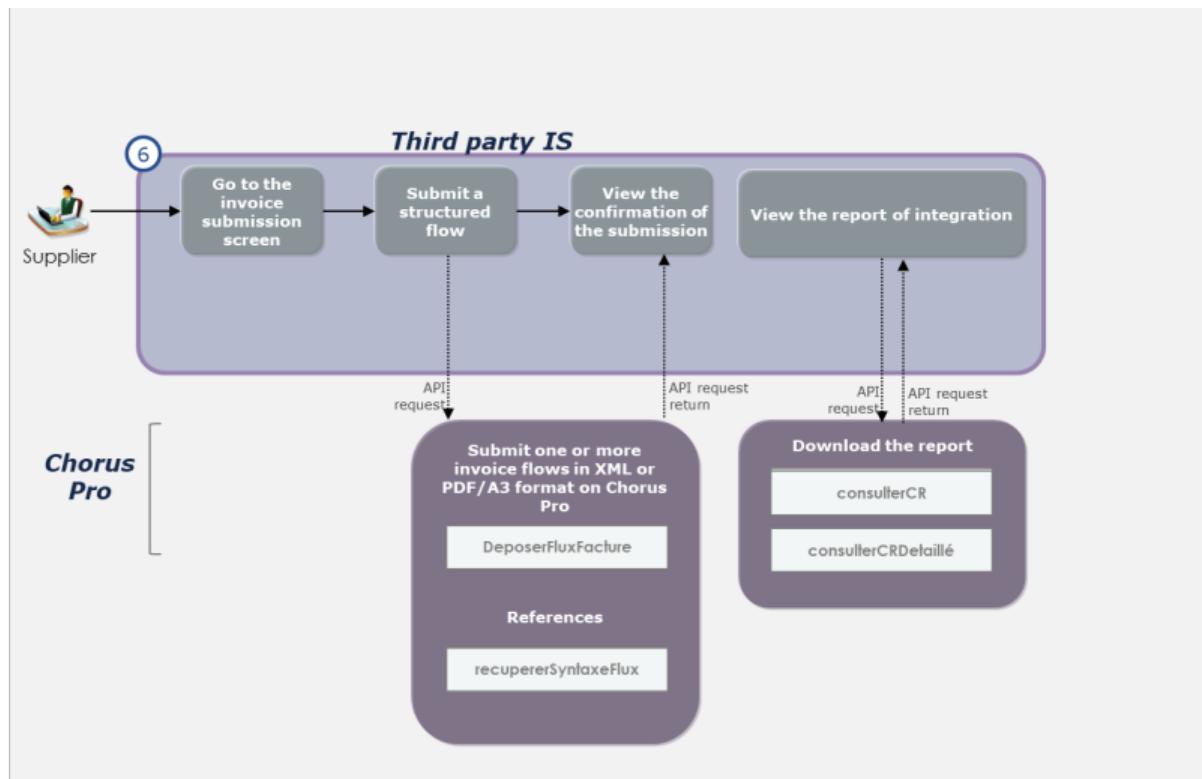
- **Usage case 1.1.5: Submit an invoice in PDF format**

A supplier submits an invoice on Chorus Pro from a PDF file previously created from their information system.
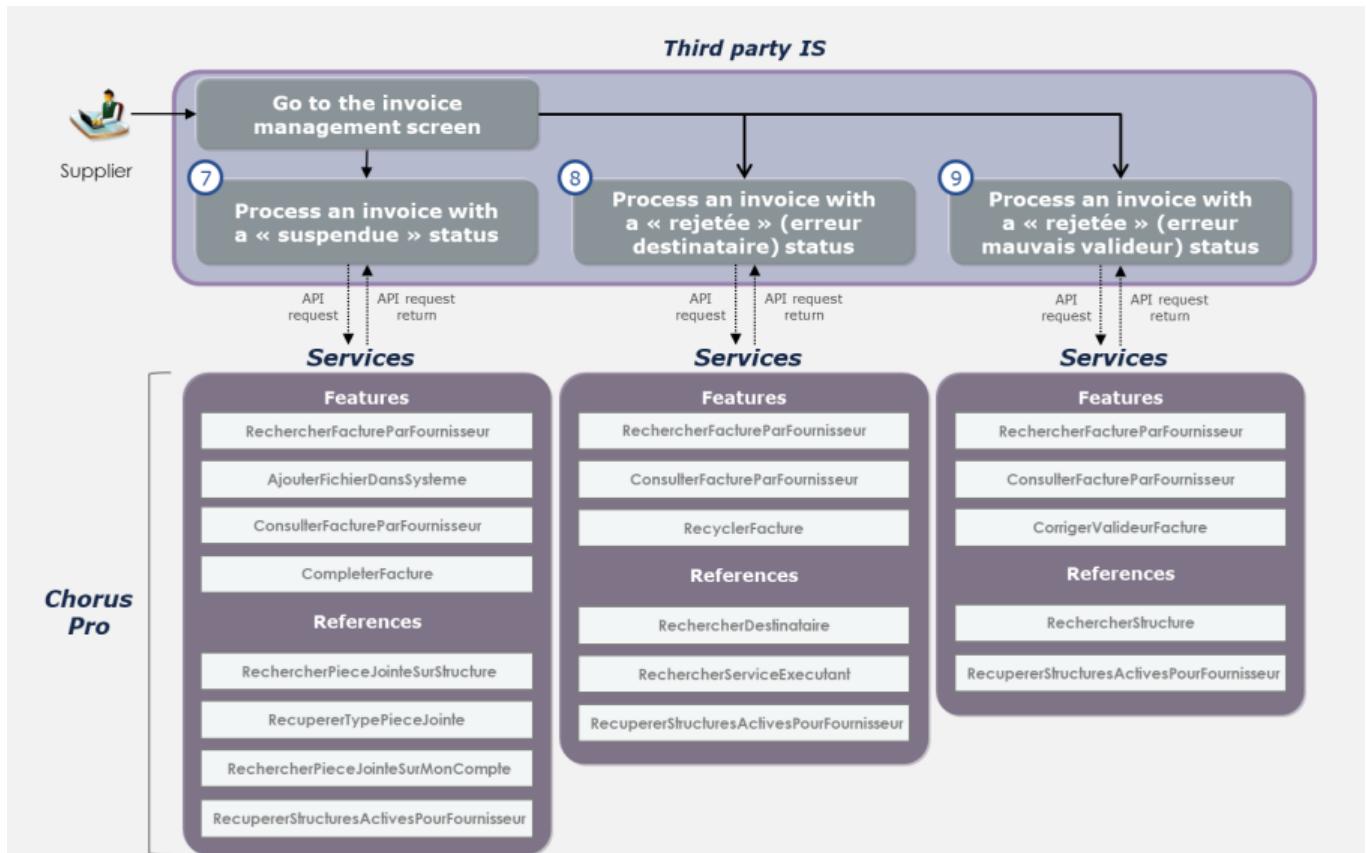
- **Usage case 1.1.6: Submit an invoice or a batch of invoices from a structured flow**

A supplier submits a structured flow previously generated from their information system on Chorus Pro.
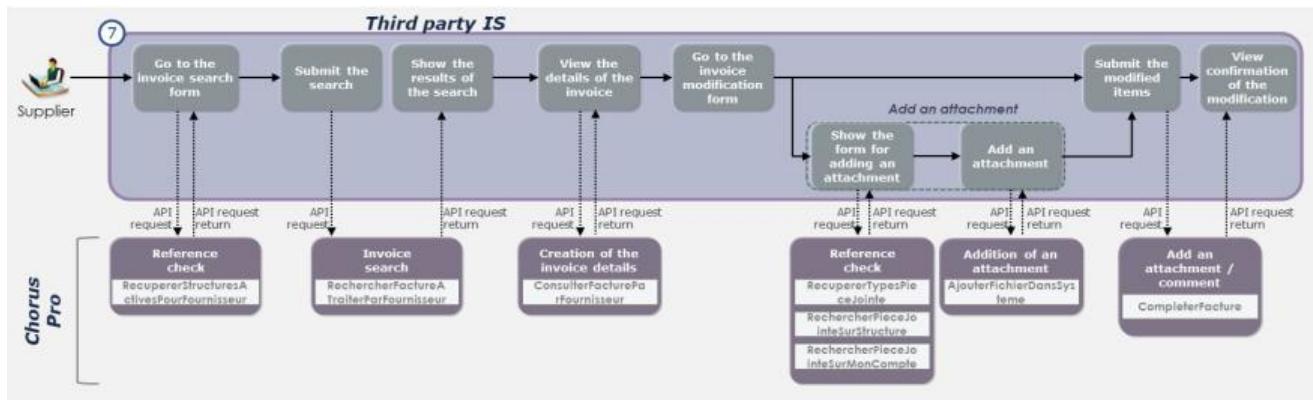
1.2.1.1.3   Perform an action on a transmitted invoice
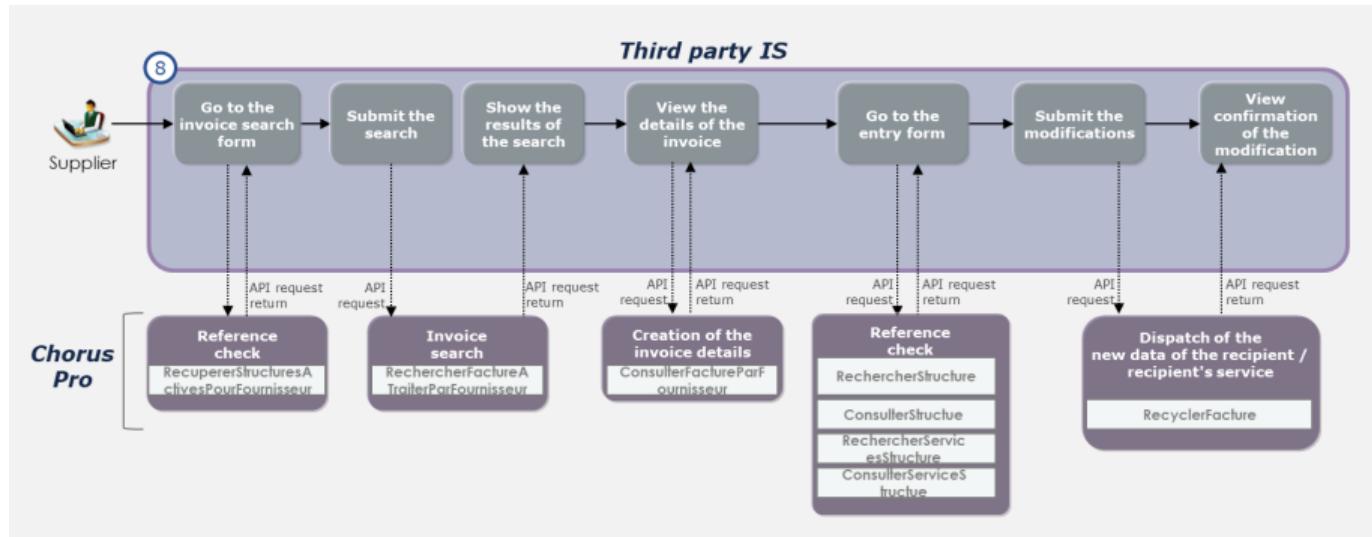
- **Usage case 1.1.7: Process an invoice with a "suspended" status**

A supplier wants to complete an invoice marked as "suspended" by adding additional attachments and/or by filling in an additional comment.
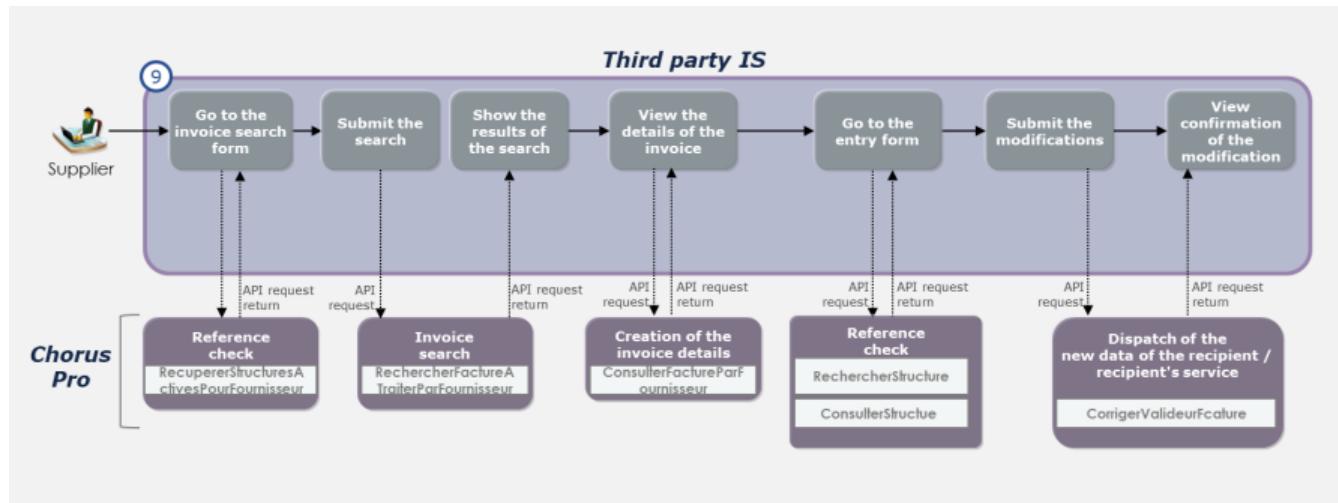
- **Usage case 1.1.8: Process an invoice with a "rejected" (recipient error) status**

A supplier wants to recycle an invoice marked as "rejetée" when the rejection arises from an "erreur dans les données d'acheminement". For this, the supplier assigns a new recipient/recipient service.
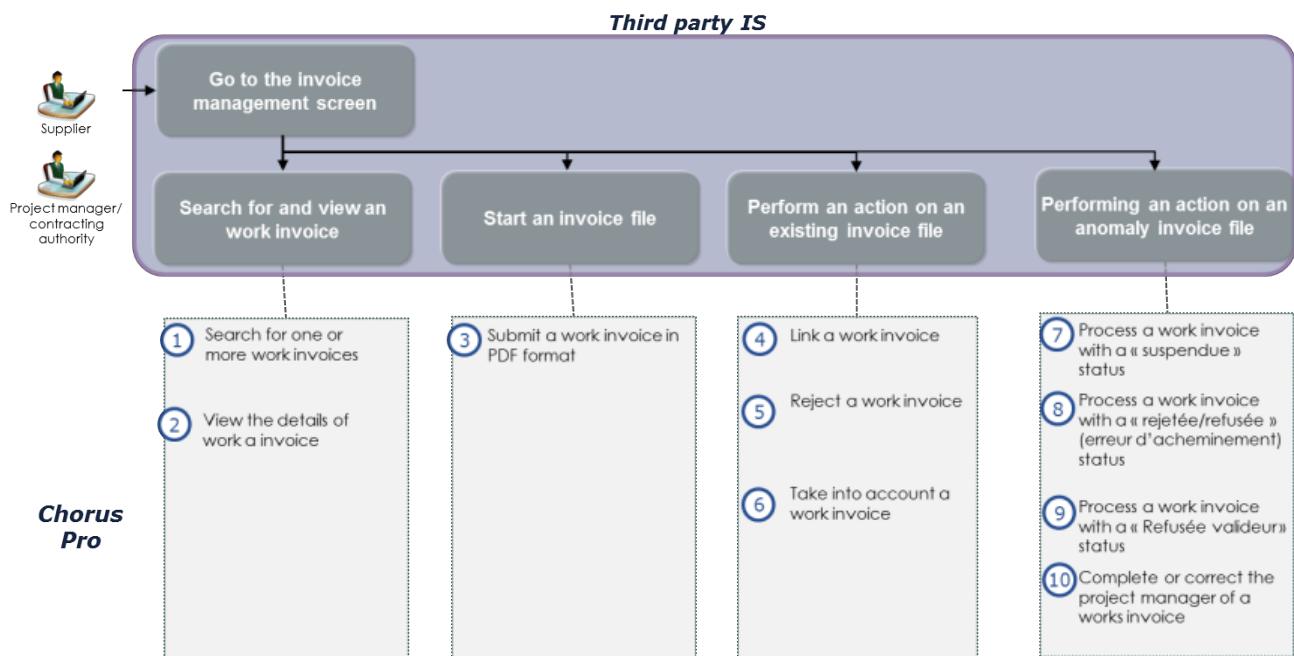
- **<u>Usage case 1.1.9: Process an invoice with a "rejected" (wrong validator error) status</u>**

A supplier wants to recycle an invoice marked as "rejetée" when the rejection arises from an "erreur dans les données d'acheminement". For this, the supplier assigns a new validator/validator service.
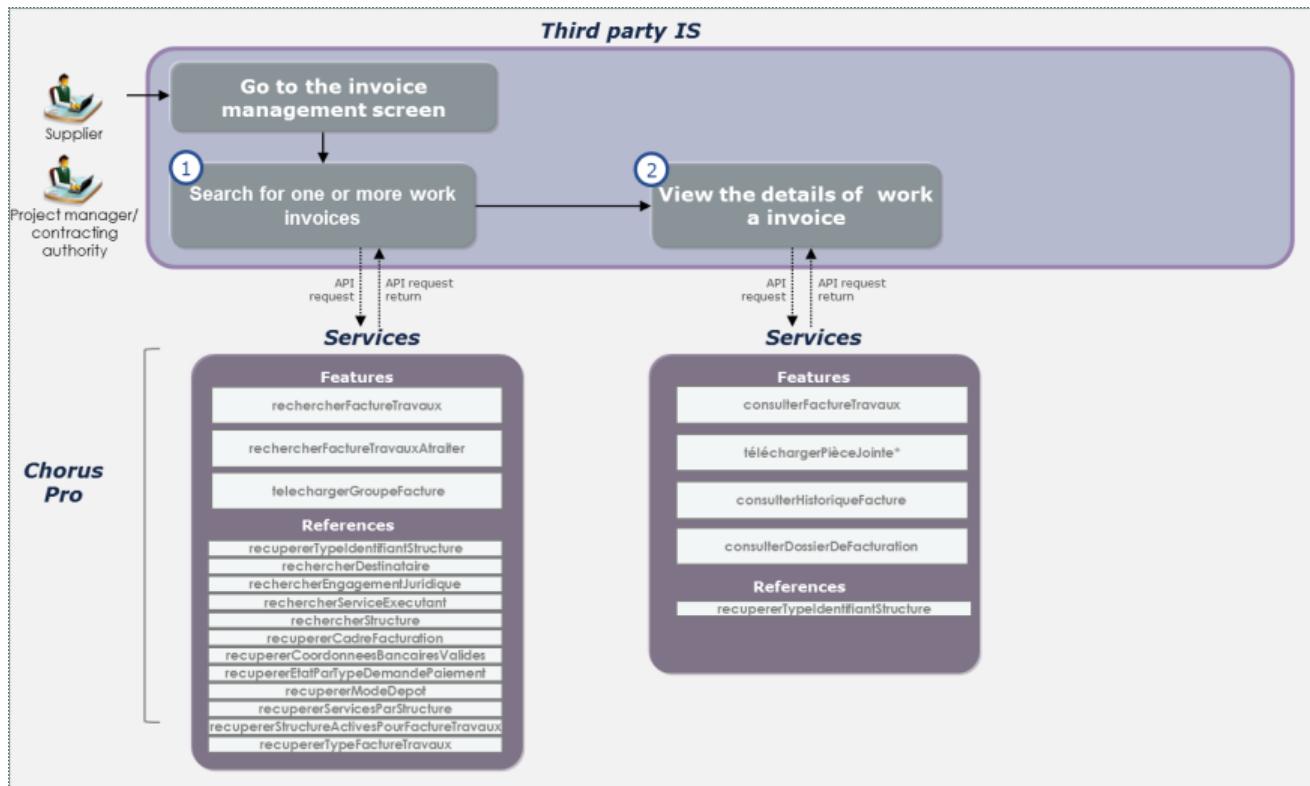
1.2.1.2   Kinematics of use: work payment requests

The services of the "Work invoices" domain provide access to the features of the work invoice area of Chorus Pro. In particular, they allow a user to transmit an invoice flow. They enable users to search for a work invoice that was previously issued to Chorus Pro, to view its data and history, and to download it. They also offer assistance for the transmission of invoices offered on the portal: recycling of invoices, removal of rejected invoices and modification of the validator of the invoice, etc.
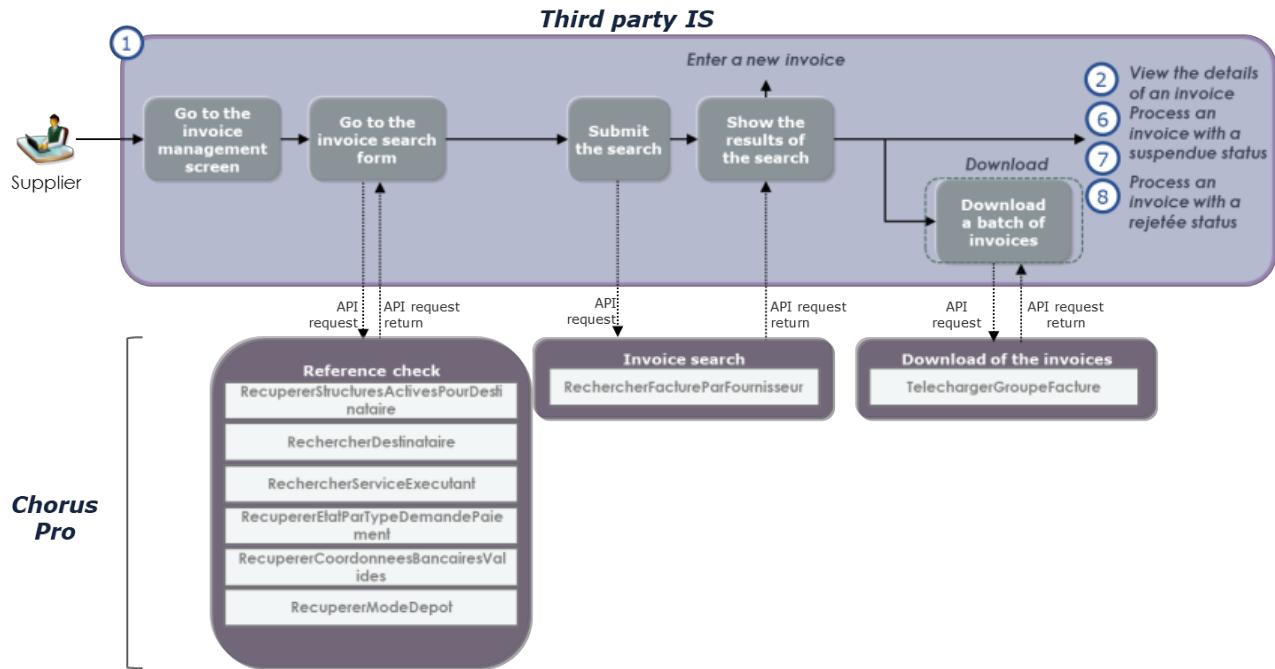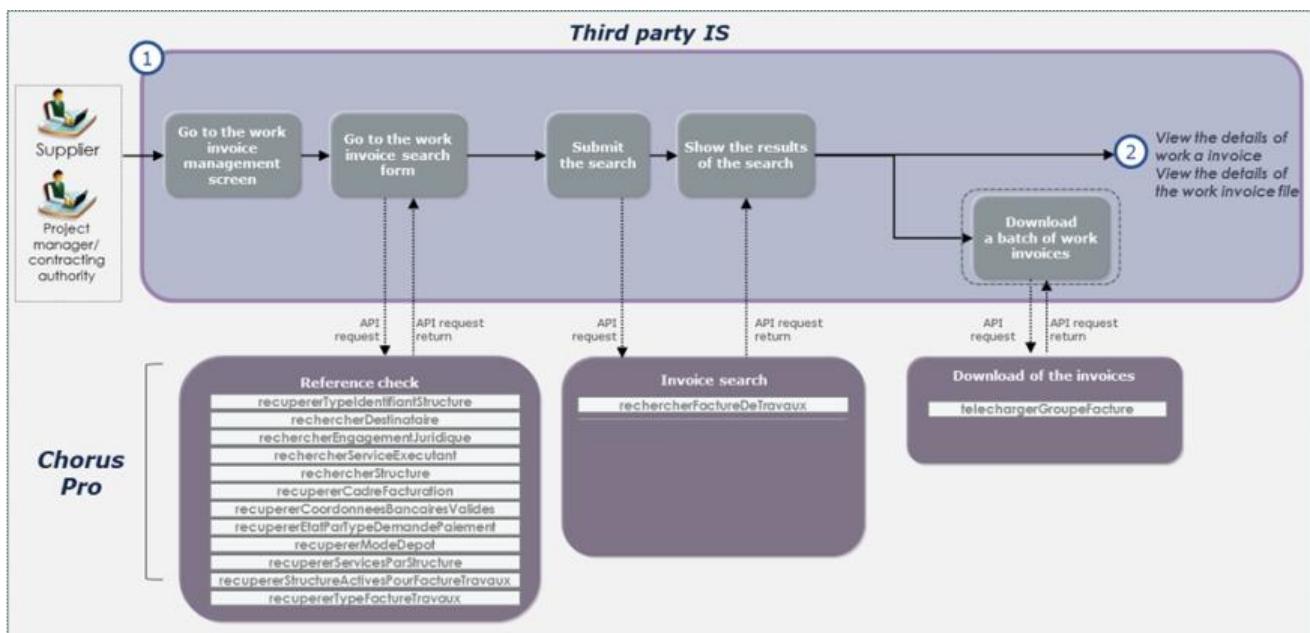
1.2.1.2.1   Search for and view a work invoice
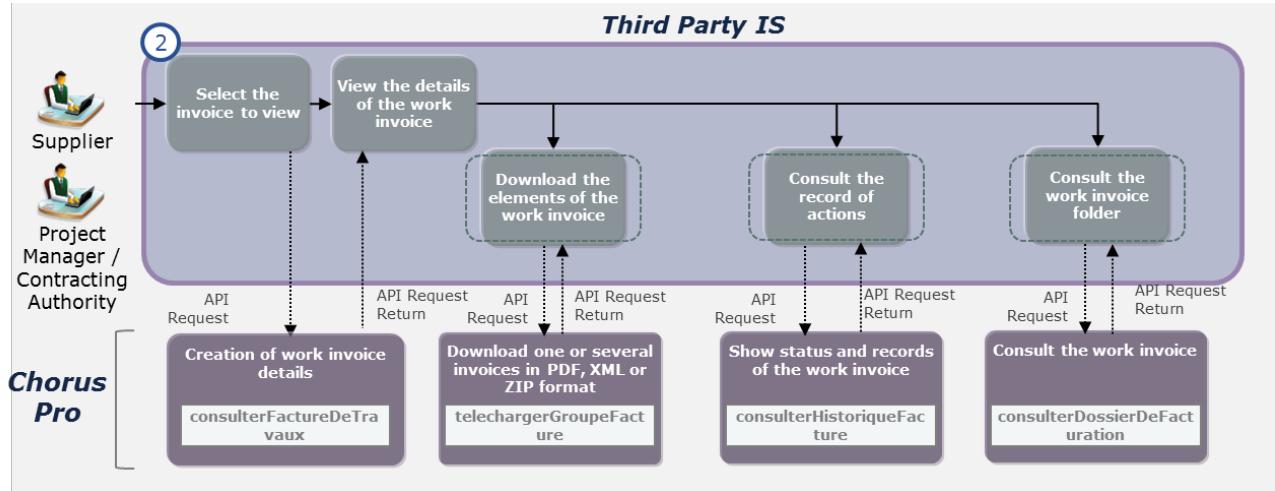
- **Usage case 1.2.1: Search for one or more work invoices**

A user wants to search for a work invoice for which a validation or another action is awaited from the user in Chorus Pro. The user can perform a multicriteria search or view the details of one of those invoices.
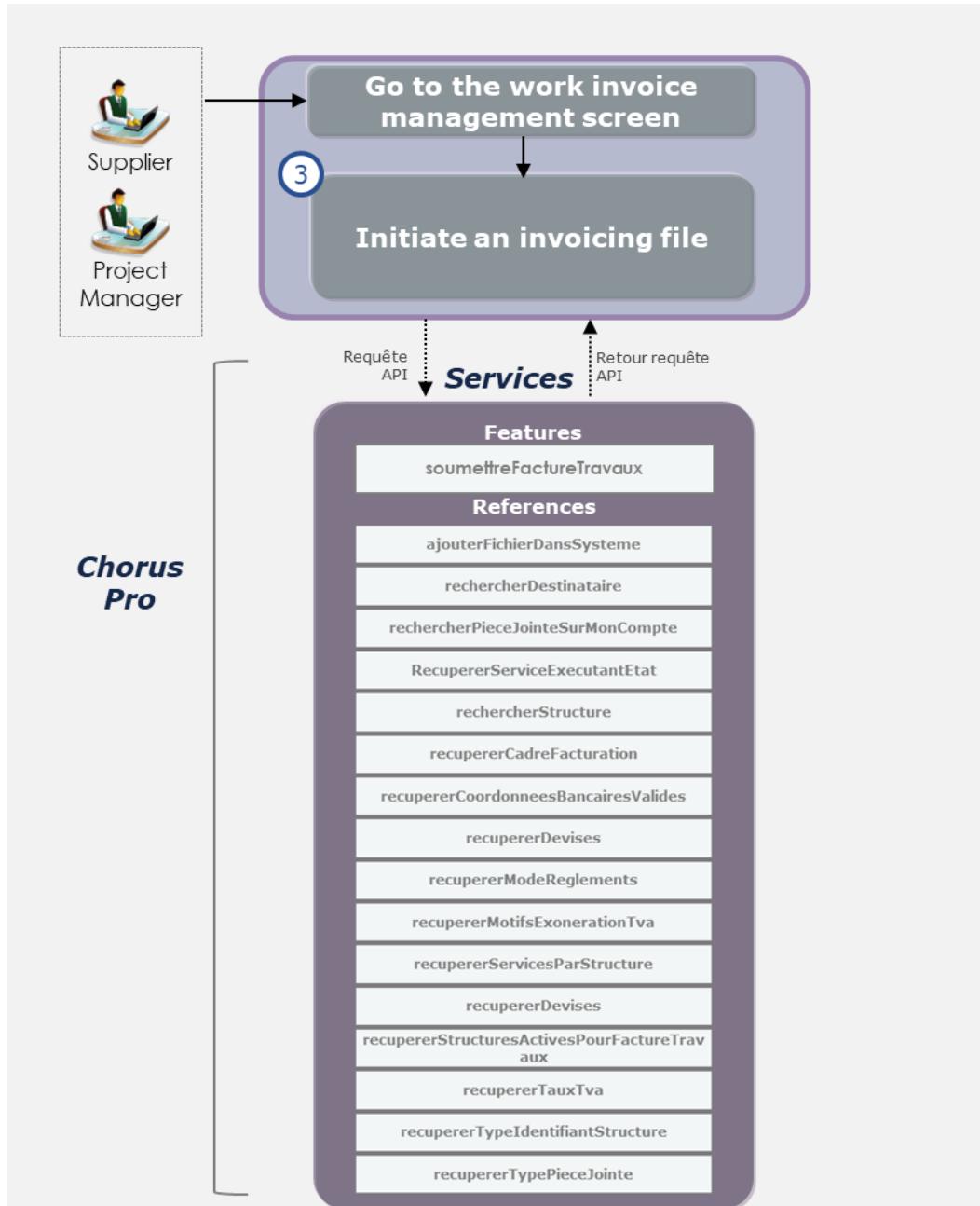
- **Usage case 1.2.2: View the details of an invoice**

A user wants to view the information concerning a work invoice in Chorus Pro. From this screen, the user can download the invoice and/or its attachments, view the history of the actions pertaining to the invoice.
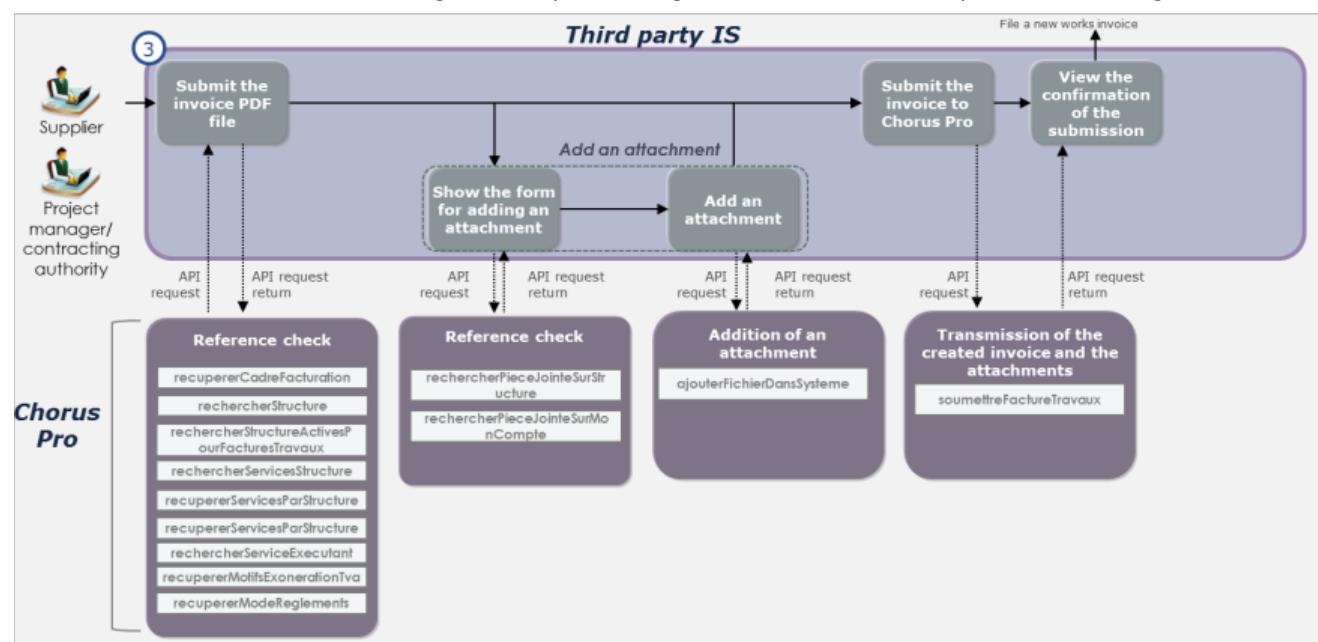
1.2.1.2.2 Initiate an invoicing file
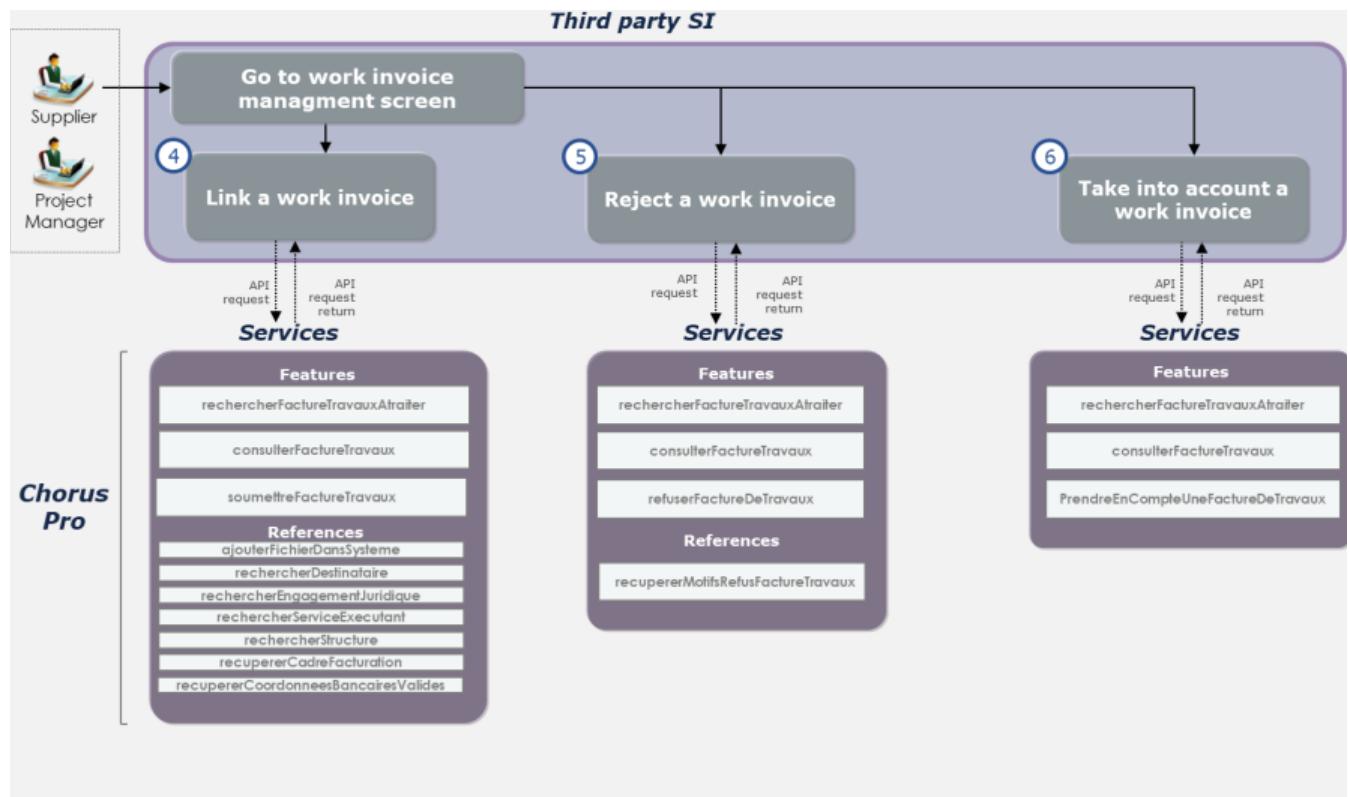
- **Usage case 1.2.3: Submit a work invoice**

A user submits on Chorus Pro a billing record by submiting a work invoice without previous invoicing document.
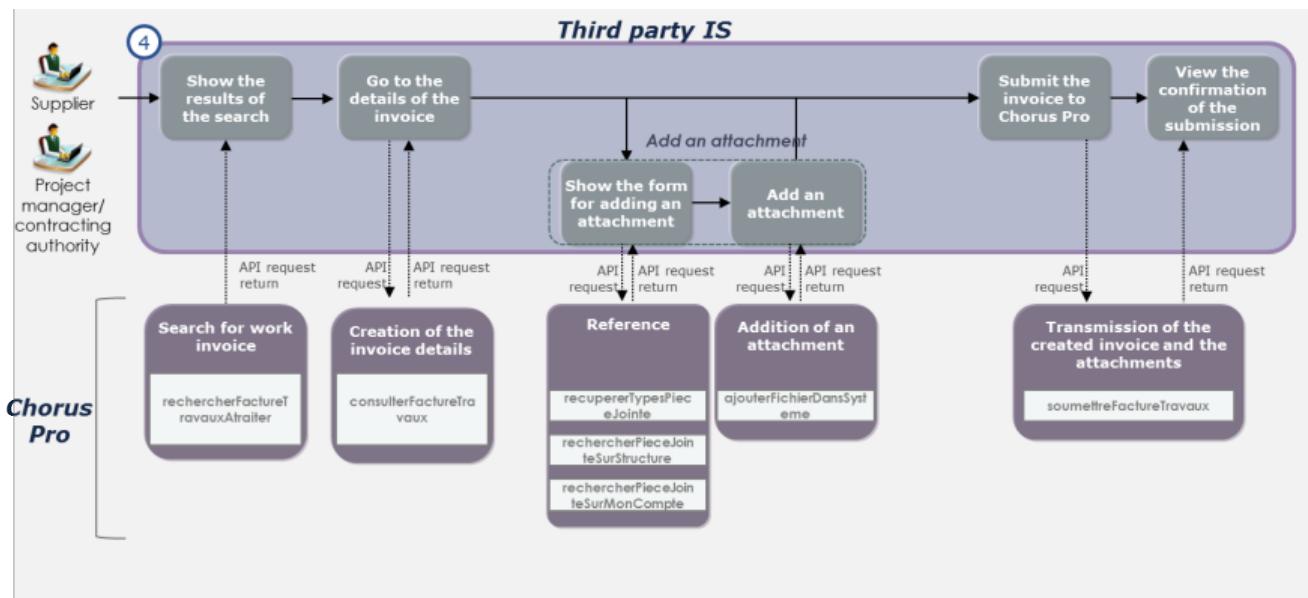
1.2.1.2.3   Perform an action on an existing invoicing file
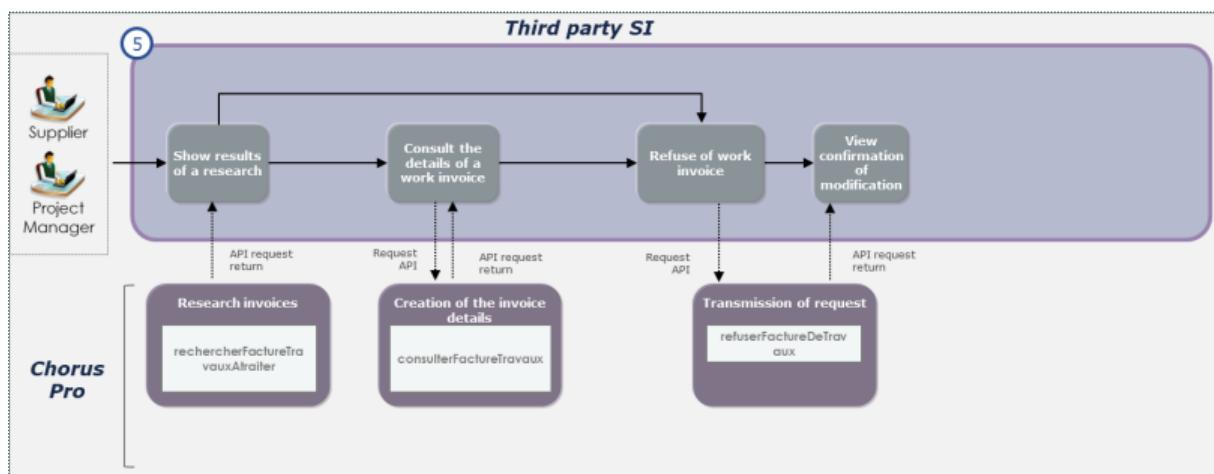
- **Usage case 1.2.4: Associate a work invoice**

The user completes an invoicing file by adding a new invoicing document
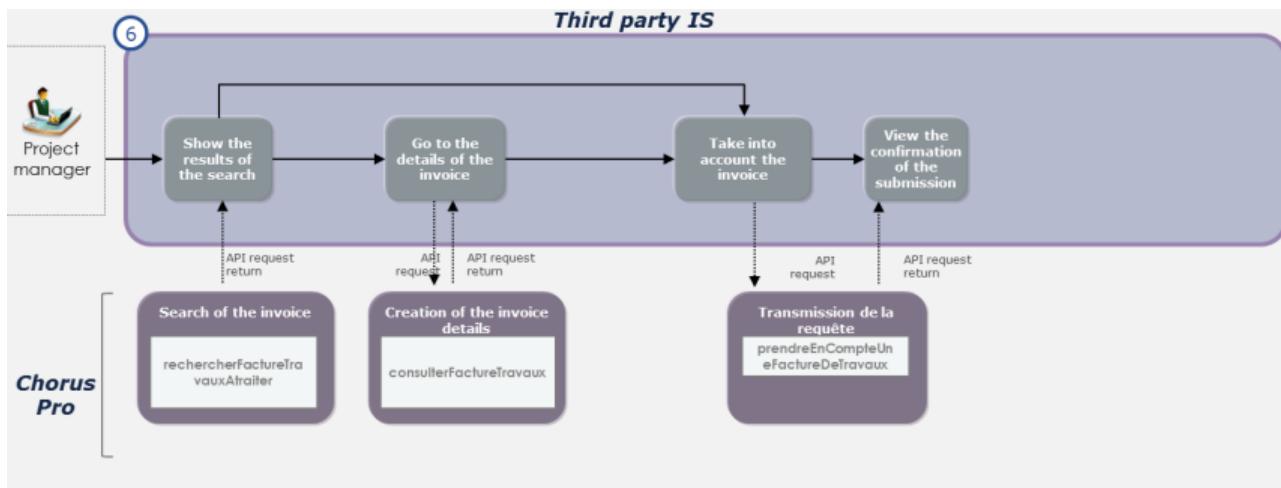
- **Usage case 1.2.5: Refuse a work invoice**

The user refuses a work invoice.
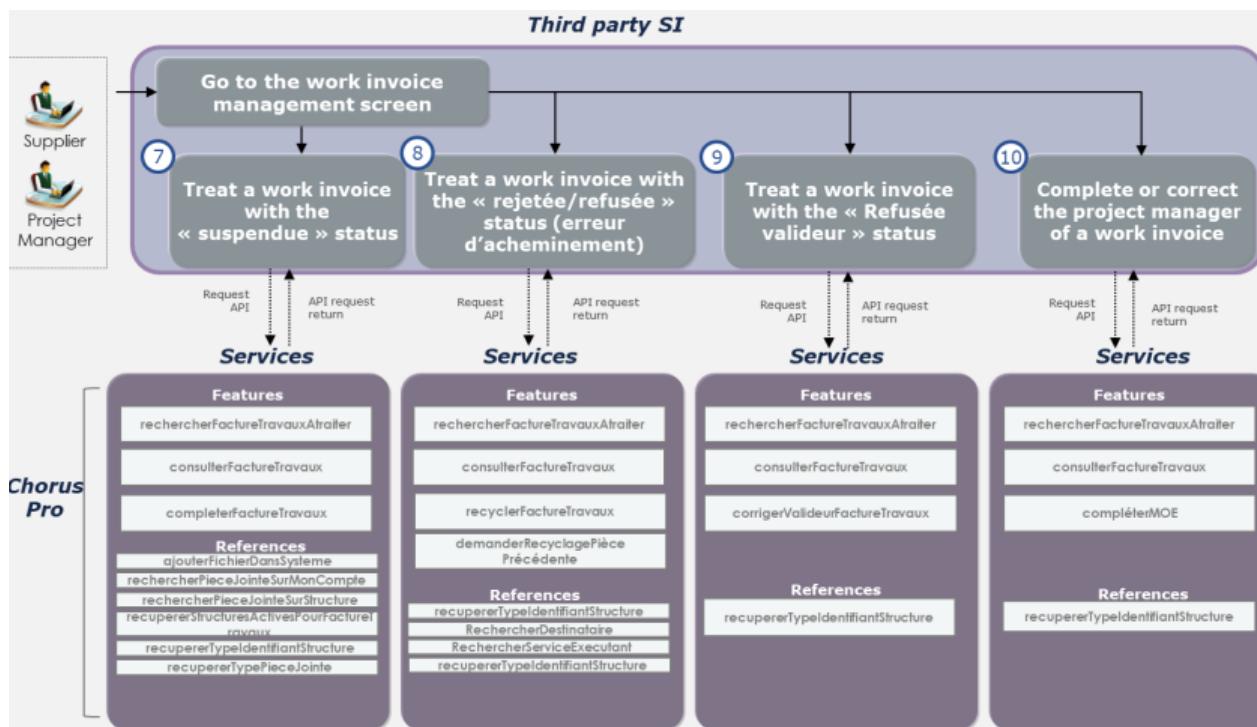
- **Usage case 1.2.6: Take into account a work invoice**

In the case of a monthly statement draft of a subcontractor, the project manager can end the actions on an invoicing file by reporting that he or she took into account the work invoice.
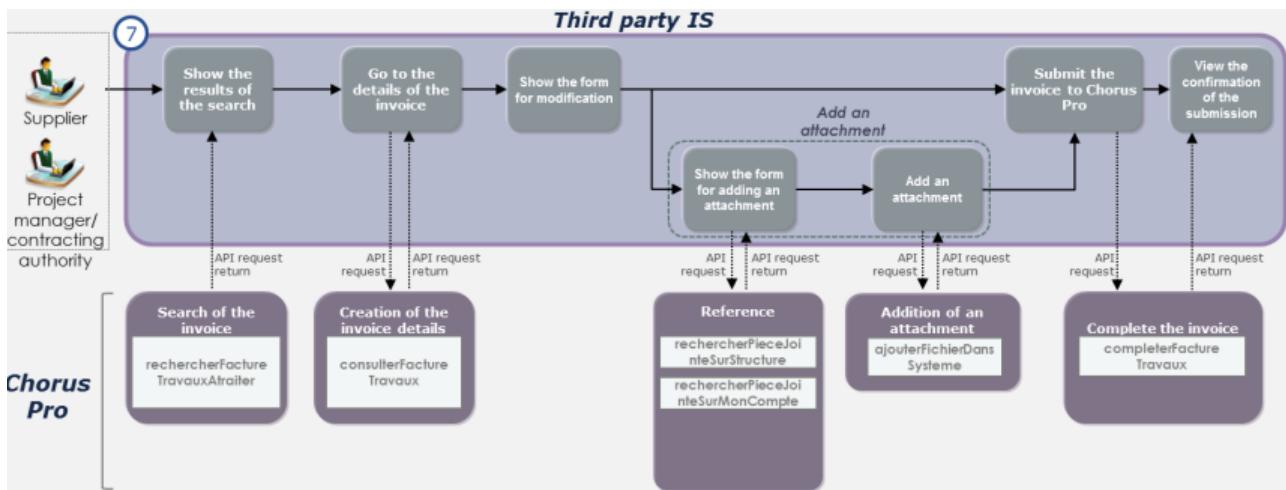
1.2.1.2.4 Perform an action on an erroneous invoicing file
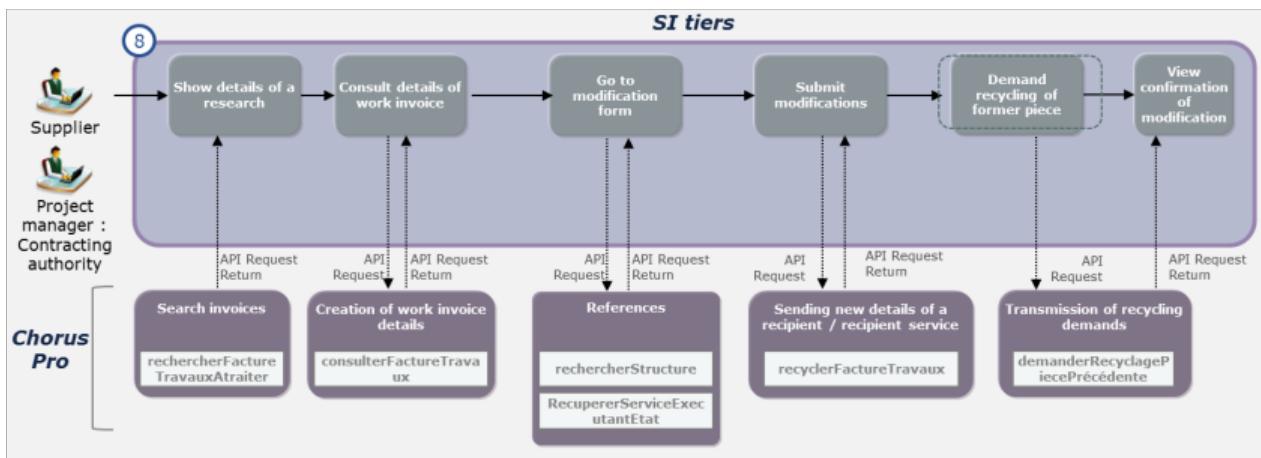
- **Usage case 1.2.7: Process a work invoice with the status « Suspendue » [Paused]**

The user completes a work invoice with the status « suspendue » [Paused] by adding attachments and/or adding a new comment.

- **Usage case 1.2.8: Process a work invoice with the status « Rejetée » (erreur d'acheminement)**
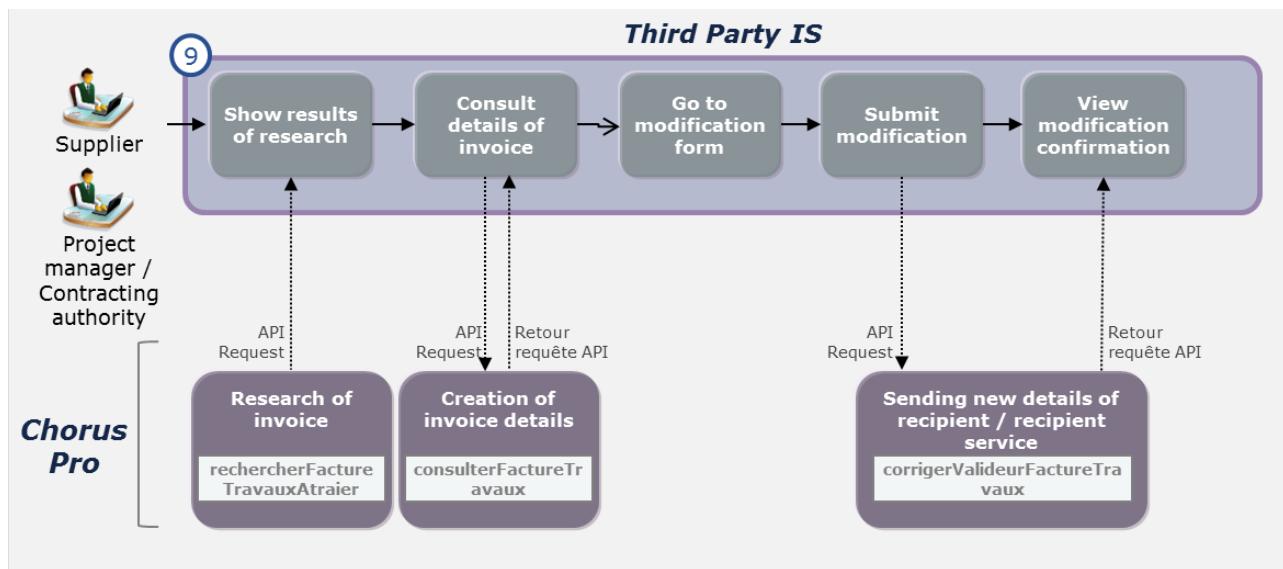
The user wants to recycle an invoice marked as "rejetée" when the rejection arises from an "erreur dans les données d'acheminement". For this, the supplier assigns a new recipient/recipient service.

- **Usage case 1.2.9: Process a work invoice with the status « Rejetée » (erreur valideur)**

If an invoice is rejected due to a routing error to the validator (non-existent validator in the database of Chorus Pro or an error in the selection of a validator), the supplier may:
- Delete the invoice. The invoice is also removed from Supplier's tax list.
- Change the indicated validator.
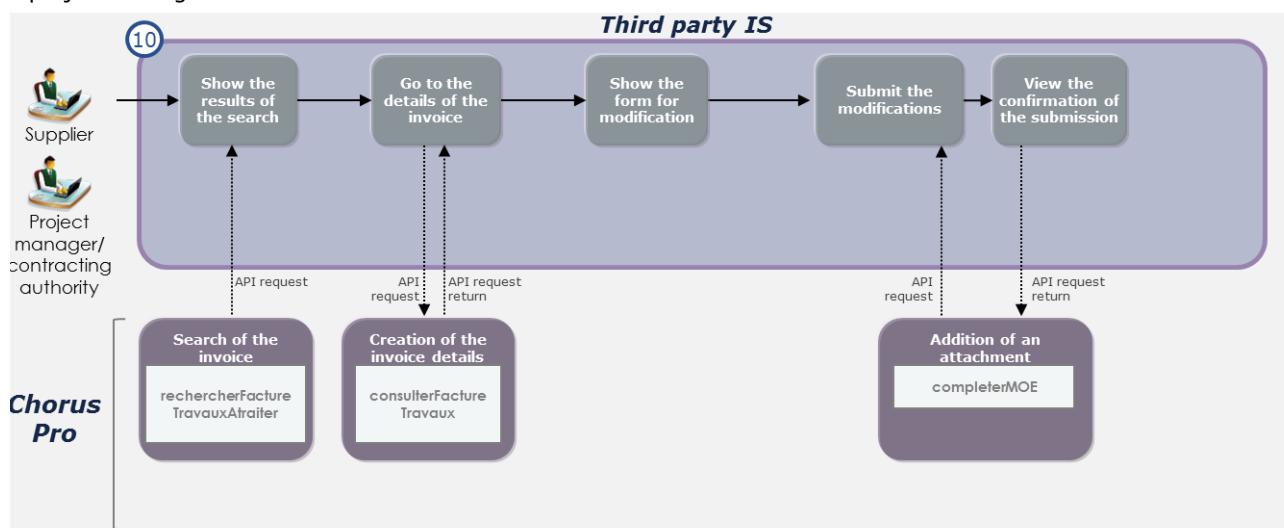
- **Usage case 1.2.10: Complete or correct the project manager of a work invoice**
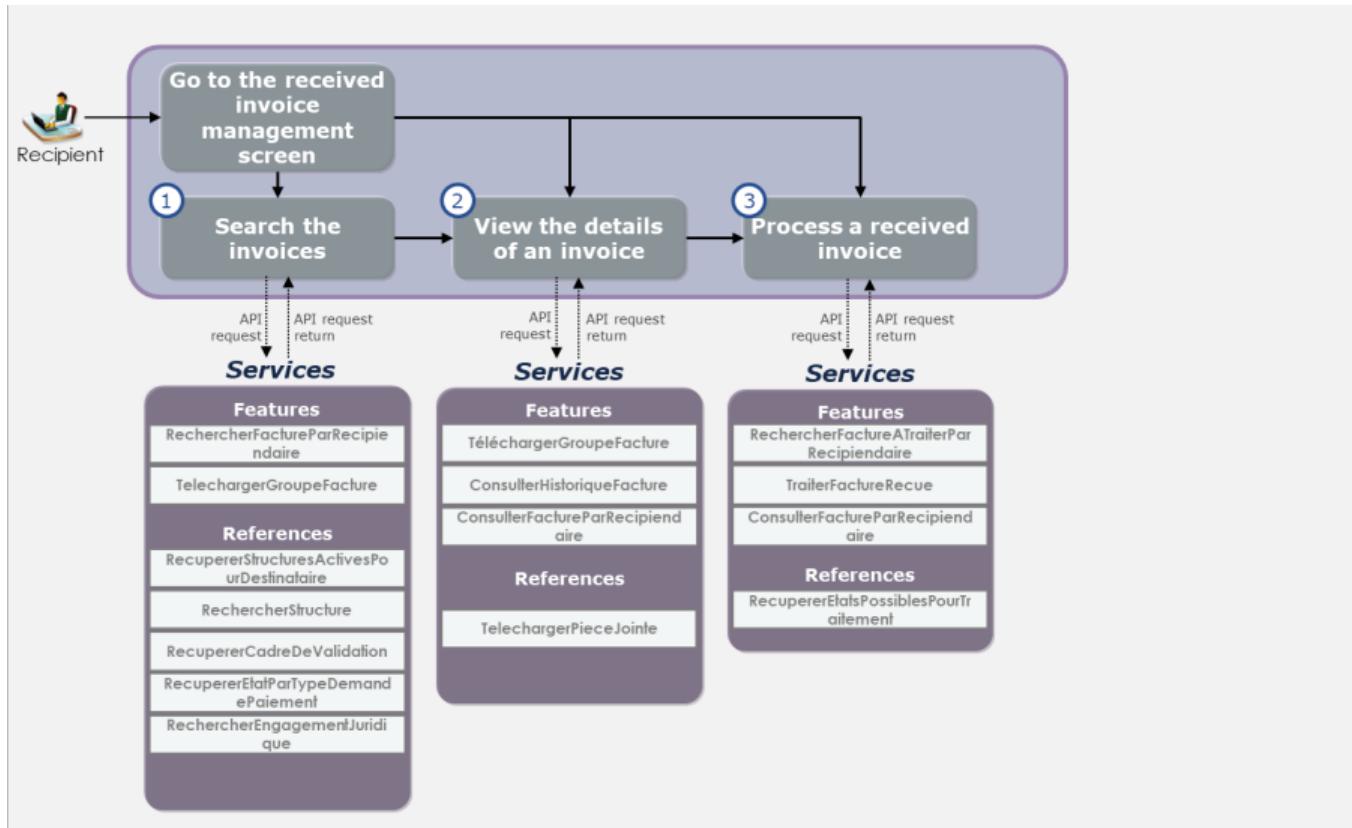
It is possible de correct the informations of a project manager if an invoice is rejected due to a routing error to the project manager.

If the invoice is sent by a subcontractor or if the project manager is not designated in the invoice and the validator did not proceed the invoice before the legal term, the subcontractor cas complete the invoice with the routing data of the project manager
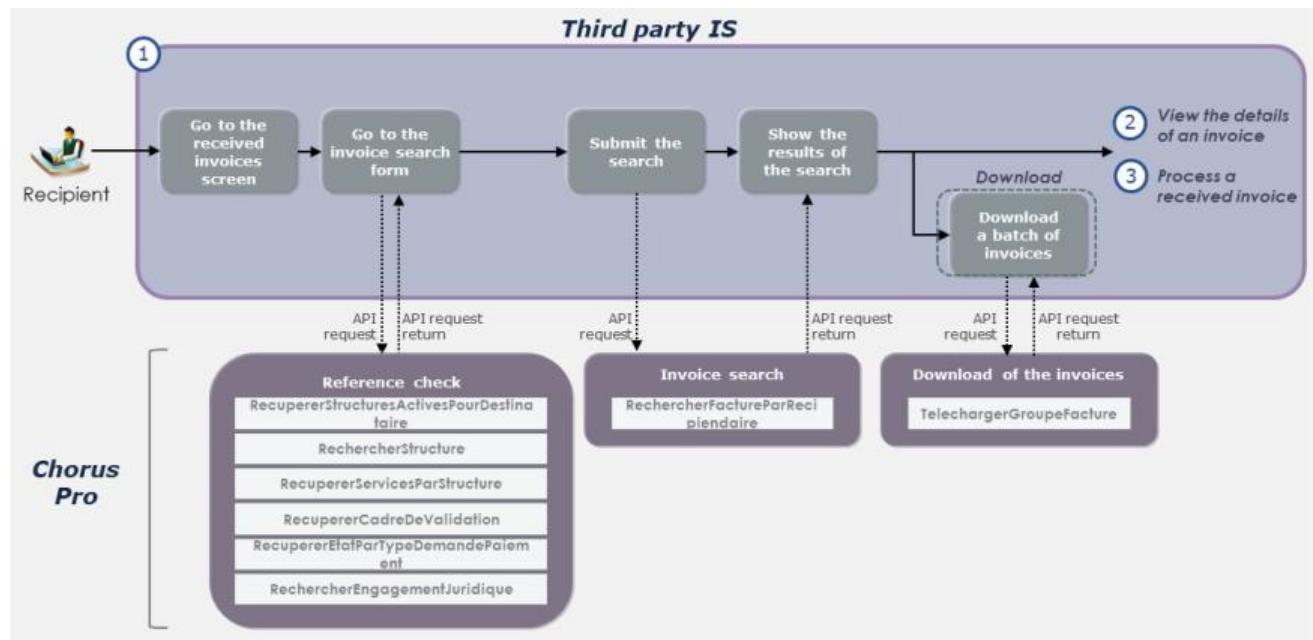
1.2.1.3   Kinematics of use: Received invoices

The received invoices services provide access to the received invoices area of Chorus Pro. This service incorporates all of the functionalities offered by this area. In particular, it allows a user to search for and view an invoice for which the user is the recipient and to process the received invoices. The number of invoices thus transmitted by Chorus Pro is unlimited and depends on the call parameters of the public entity.
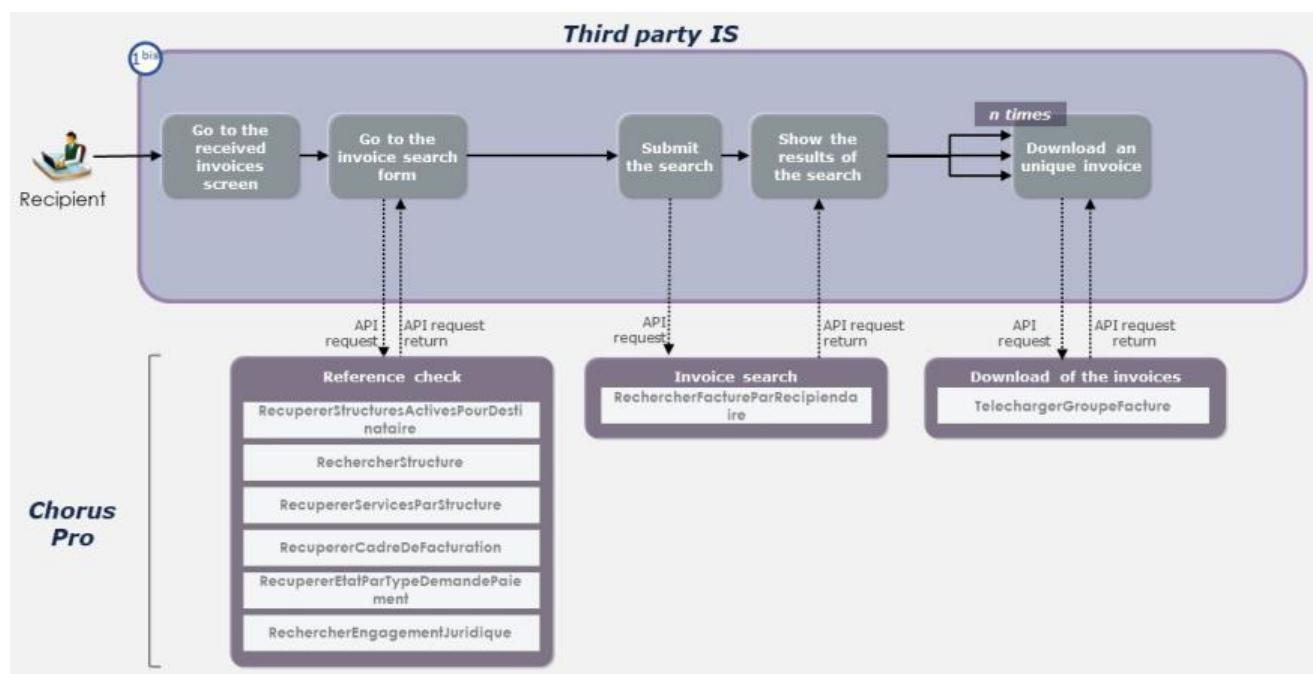
- **Usage case 1.3.1: Search for one or more received invoices**

A recipient wants to search for a received invoice in Chorus Pro, download invoices matching the search parameters or view the details of one of the invoices found.
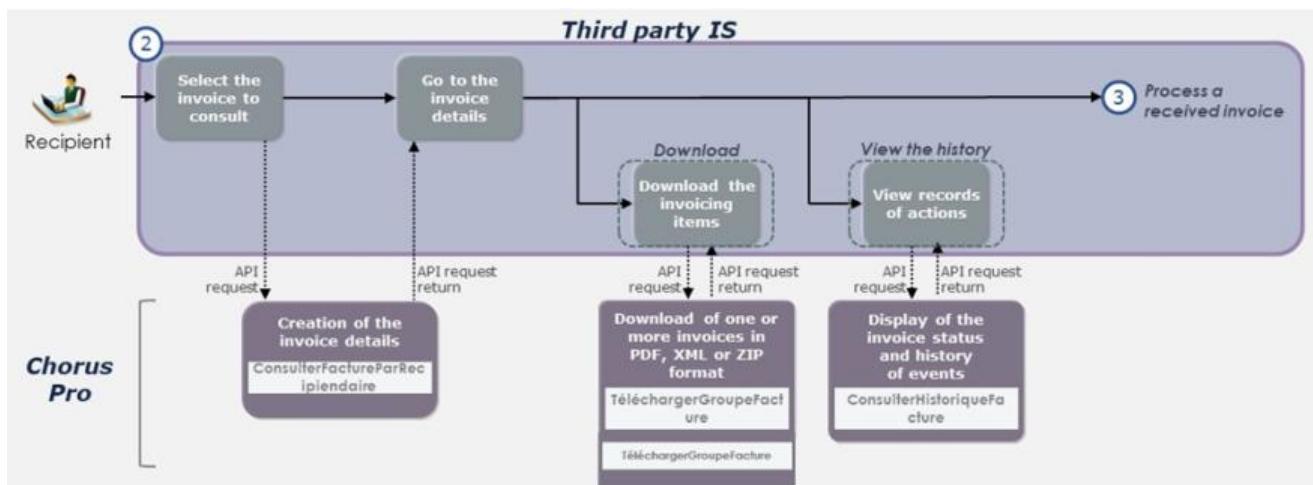
Variant

A recipient wants to download n invoices submitted in Chorus Pro. It is possible, in order to respect the limitations in terms of size of the request "telechargerGroupeFacture", to call this request n times and download the invoices on a unitary basis.

- **Usage case 1.3.2: Consult invoice details**
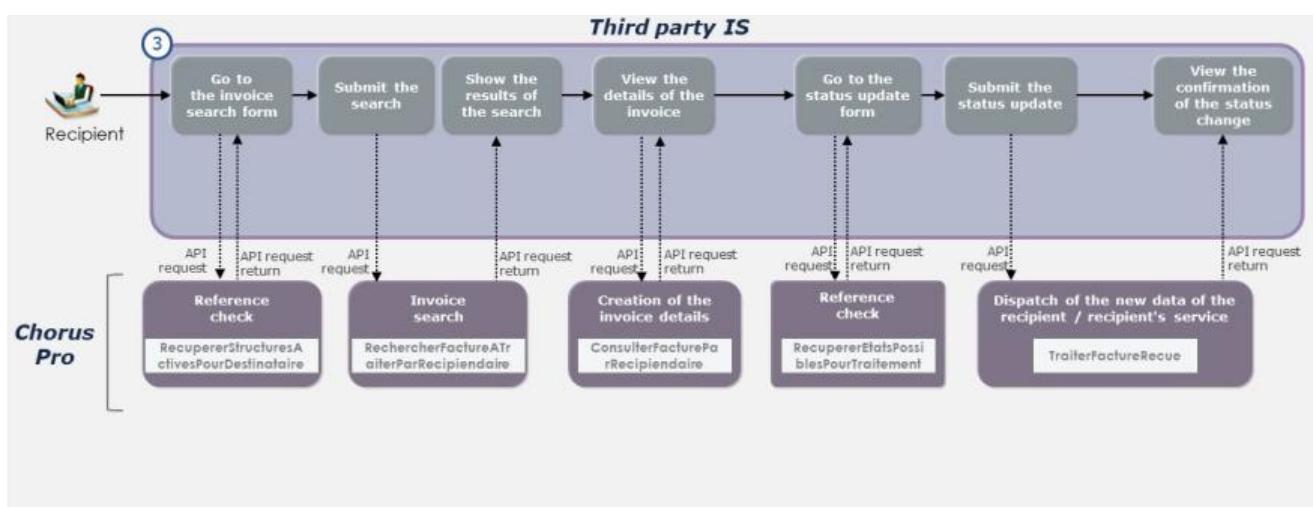
A recipient wants to view the information concerning a received invoice in Chorus Pro. From this screen, they can download the invoice and/or its attachments, view the history of the actions pertaining to the invoice or initiate the process that allows them to process the invoice.

- **Usage case 1.3.3: Process received invoice**
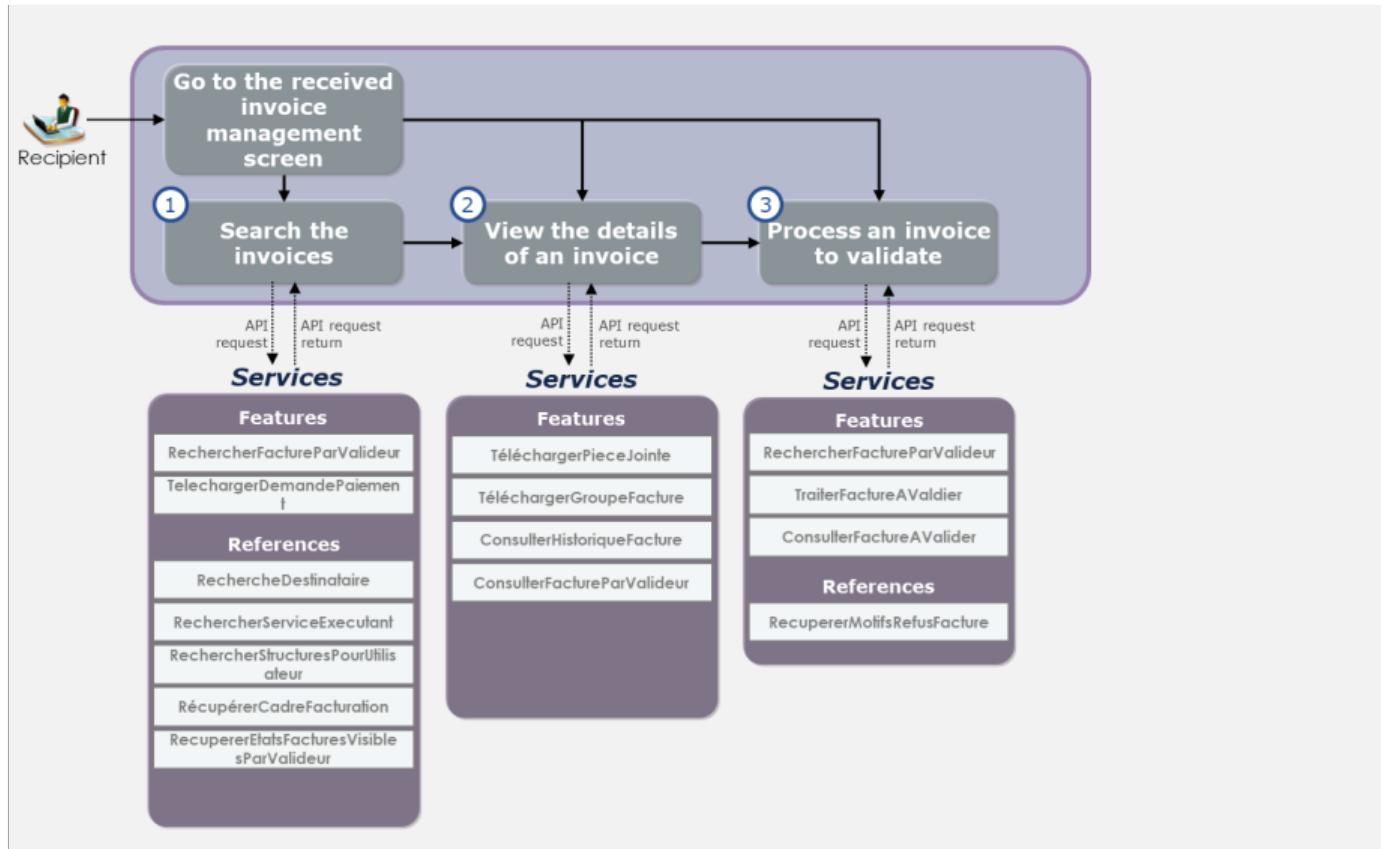
A recipient wants to update the status of a received invoice according to the treatment that has been conducted. The recipient can, after viewing a received invoice, change the status of the received invoice:

- "Mise en paiement" [Payment]
- "Suspension, et attente de nouveaux éléments" [Paused]
- "Rejet" [Rejected]
- "Mise à disposition du service comptable" [Available to accountant]
- "Mandatée" [Mandated]
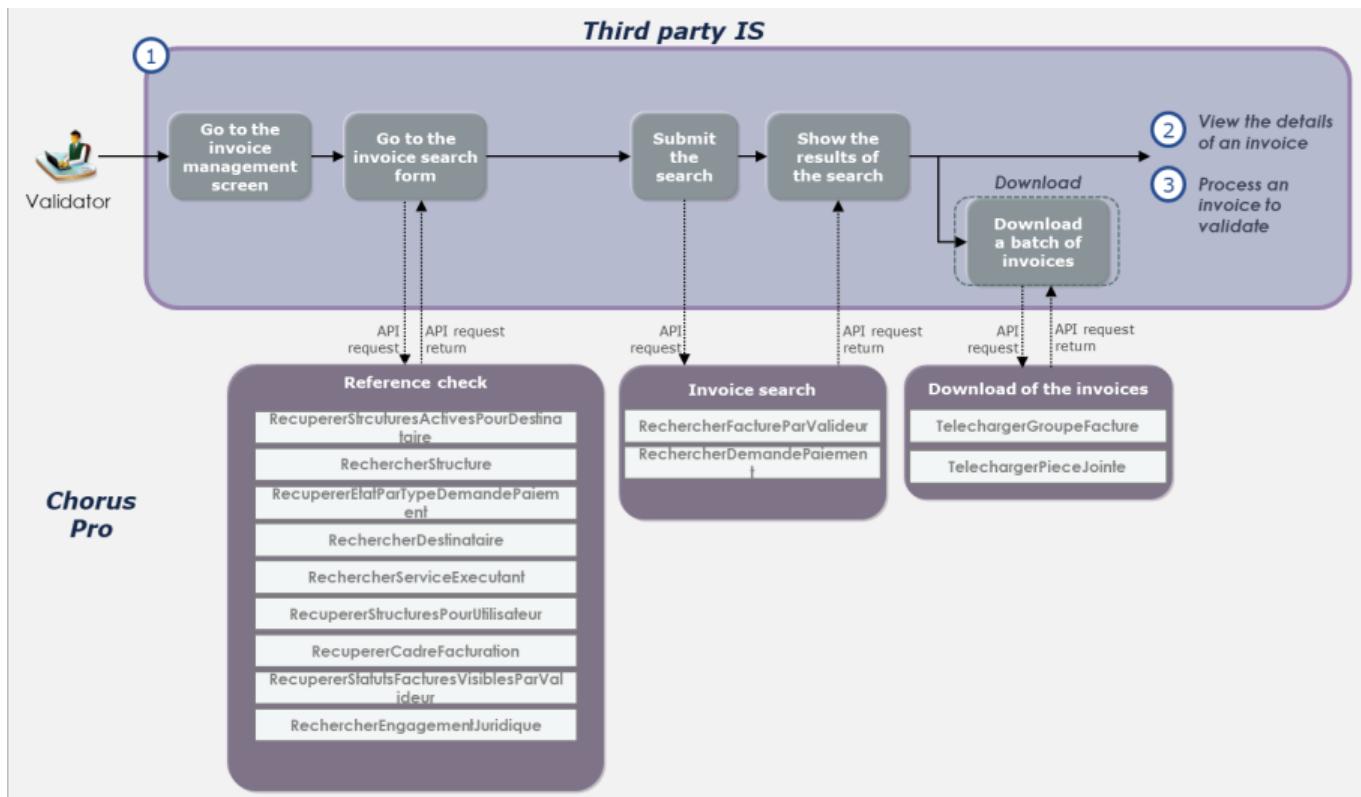
1.2.1.4 Kinematics of use: Invoices to be validated

The services of the "invoices to be validated" domain provide access to the features of the invoice to be validated area of Chorus Pro. They enable users to search for an invoice that was previously issued to Chorus Pro, to view its data and history, to download it and to treat invoices of which they are validators.

- **<u>Usage case 1.4.1: Search for one or more invoices</u>**

A validator wants to search for an invoice to be validated in Chorus Pro, download the invoices matching the search parameters or view the details of one of those invoices.
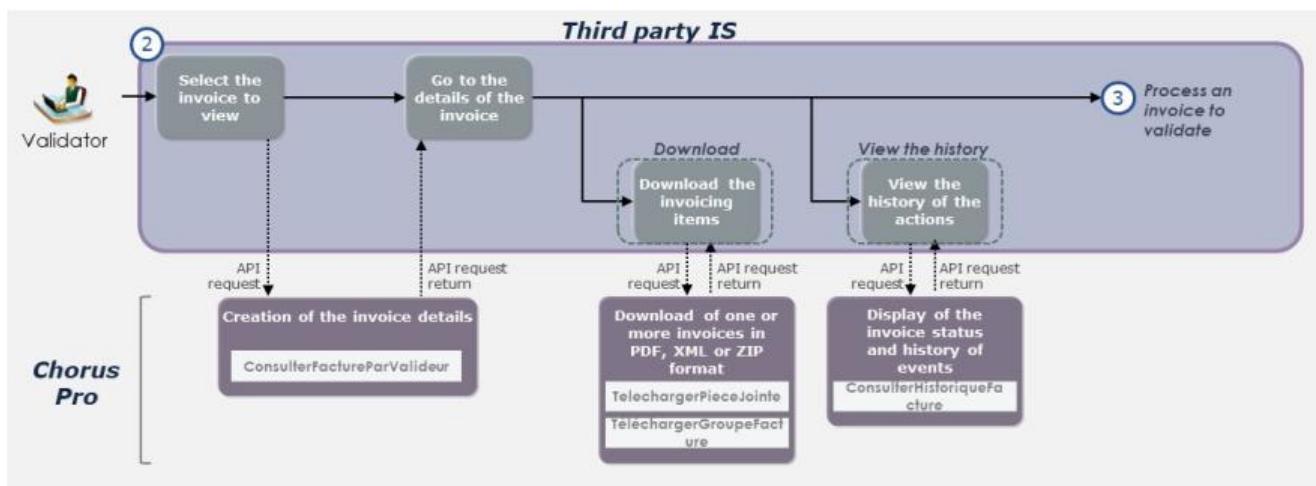
<u>Variant</u>

A supplier wants to download n invoices submitted in Chorus Pro. It is possible, in order to respect the limitations in terms of size of the request "telechargerGroupeFacture", to call this request n times and download the invoices on a unitary basis.

- **<u>Usage case 1.4.2: View the details of an invoice to be validated</u>**

A supplier wants to view the information concerning an invoice to be validated in Chorus Pro. From this screen, they can download the invoice and/or its attachments, view the history of the actions pertaining to the invoice or initiate the processes that allow them to validate or not the invoice.
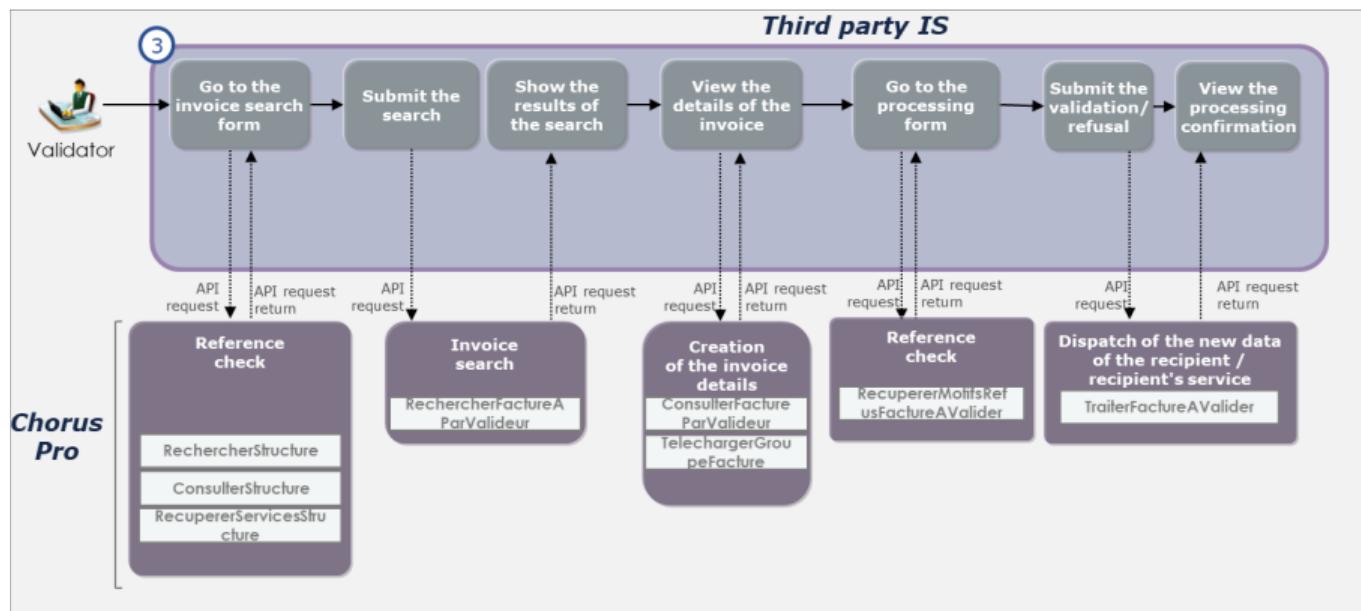
- **Usage case 1.4.3: Process an invoice to be validated**

A validator want to udpate the status os an invoice to be validated depending on the way it was processed. He can, from the detailed view of the invoice, modify its status:

- Validated
- Refused
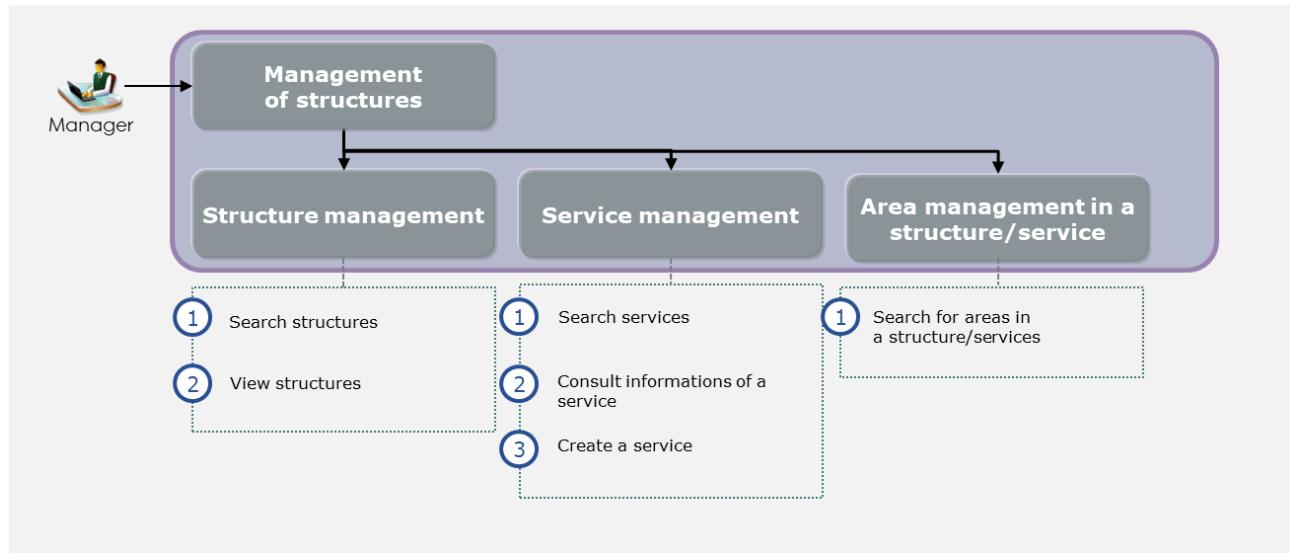
In case of a refusal from the validator, a ground for refusal must be informed.
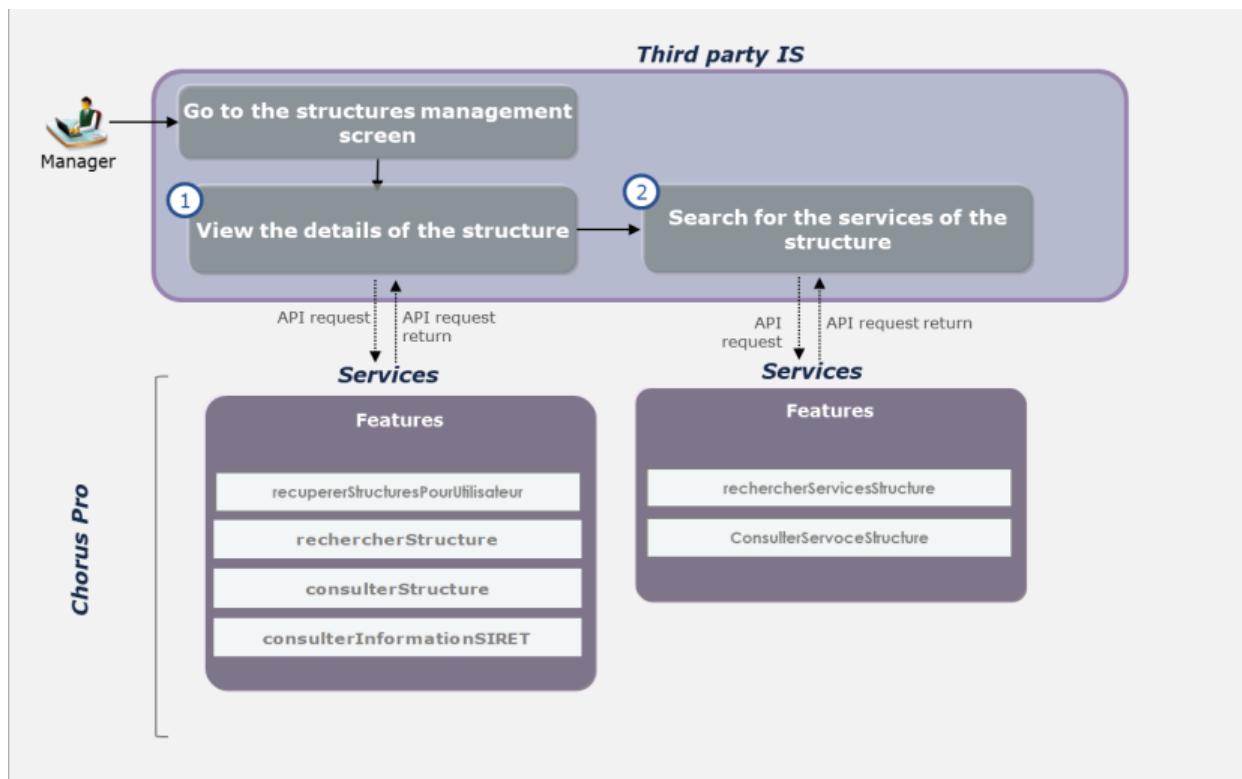
1.2.2   Management of users and structures

1.2.2.1   Kinematics of use

Global view of the services
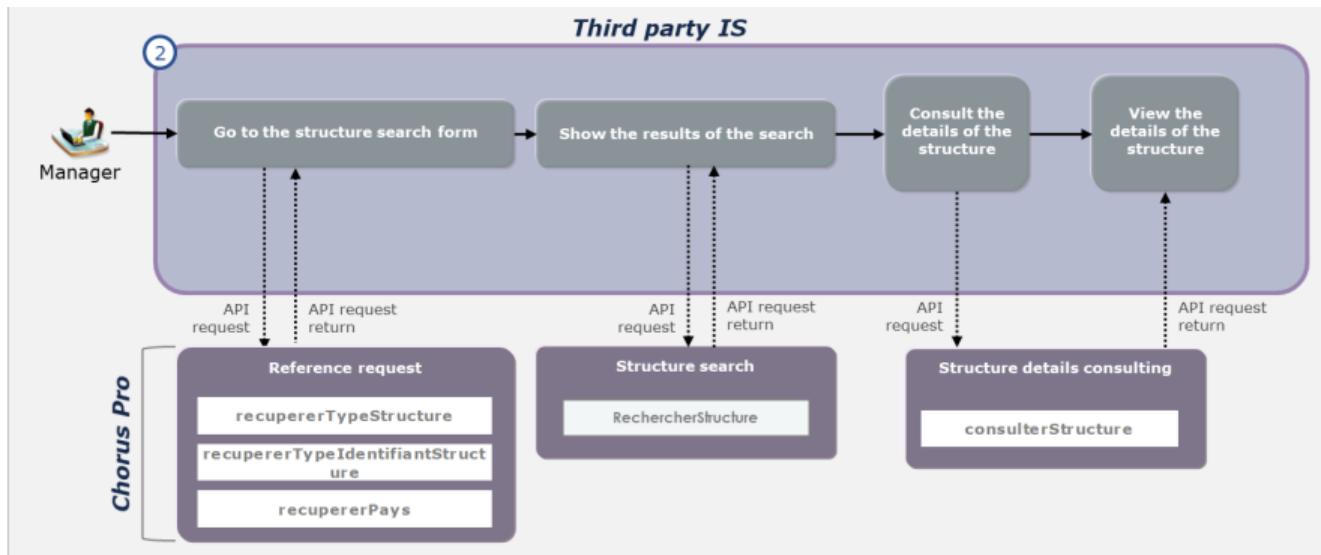
1.2.2.1.1   Structure and service management
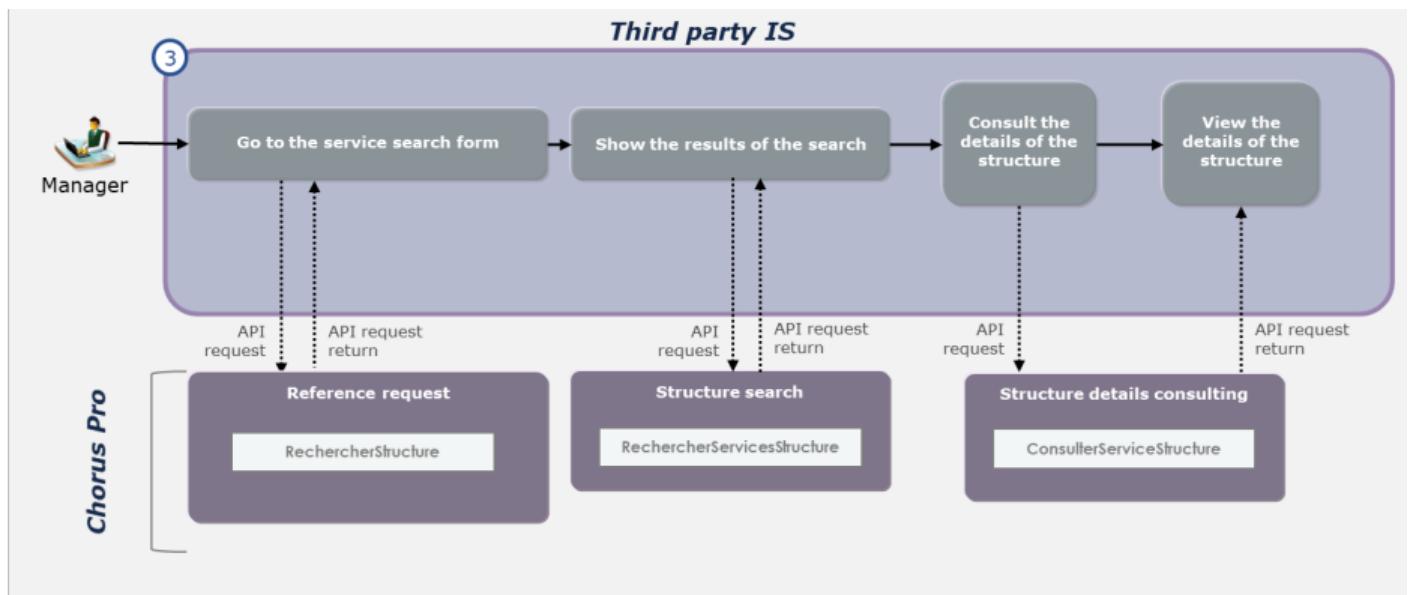
- **<u>Usage case 2.1.1 : View the details of the structure</u>**

A user wants to view the informations, telephone numbers and parameters of a structure.
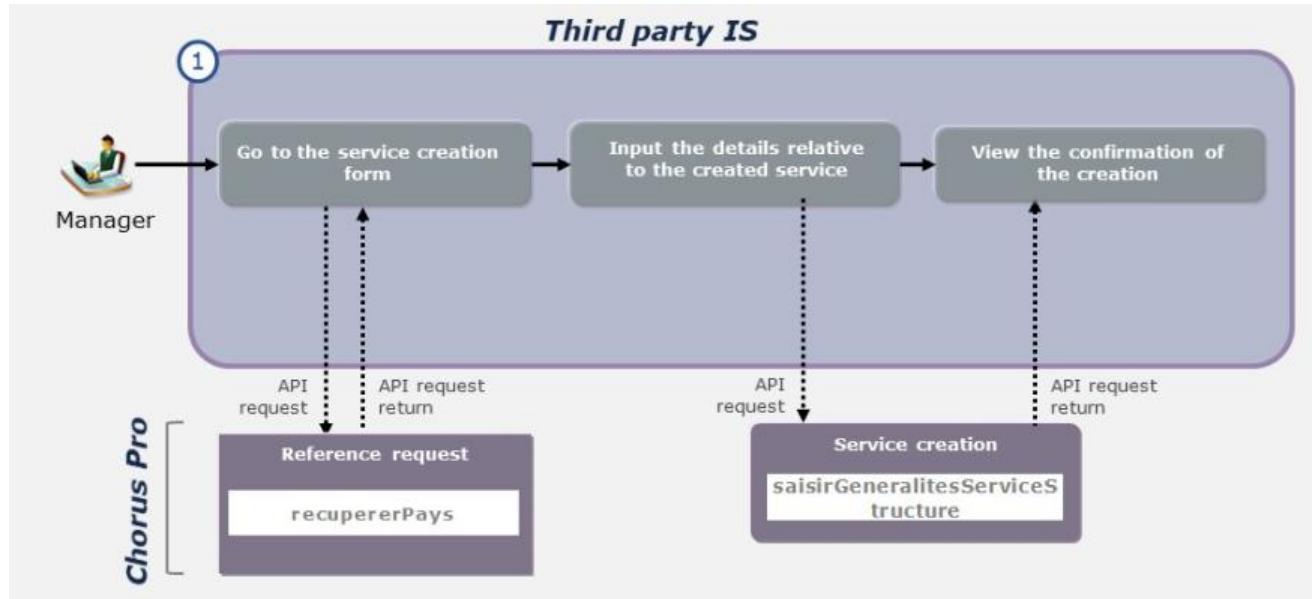
- **<u>Usage case 2.1.2 : View the services of a structure</u>**

A manager wants to search and view the servoces of a structure he manages.
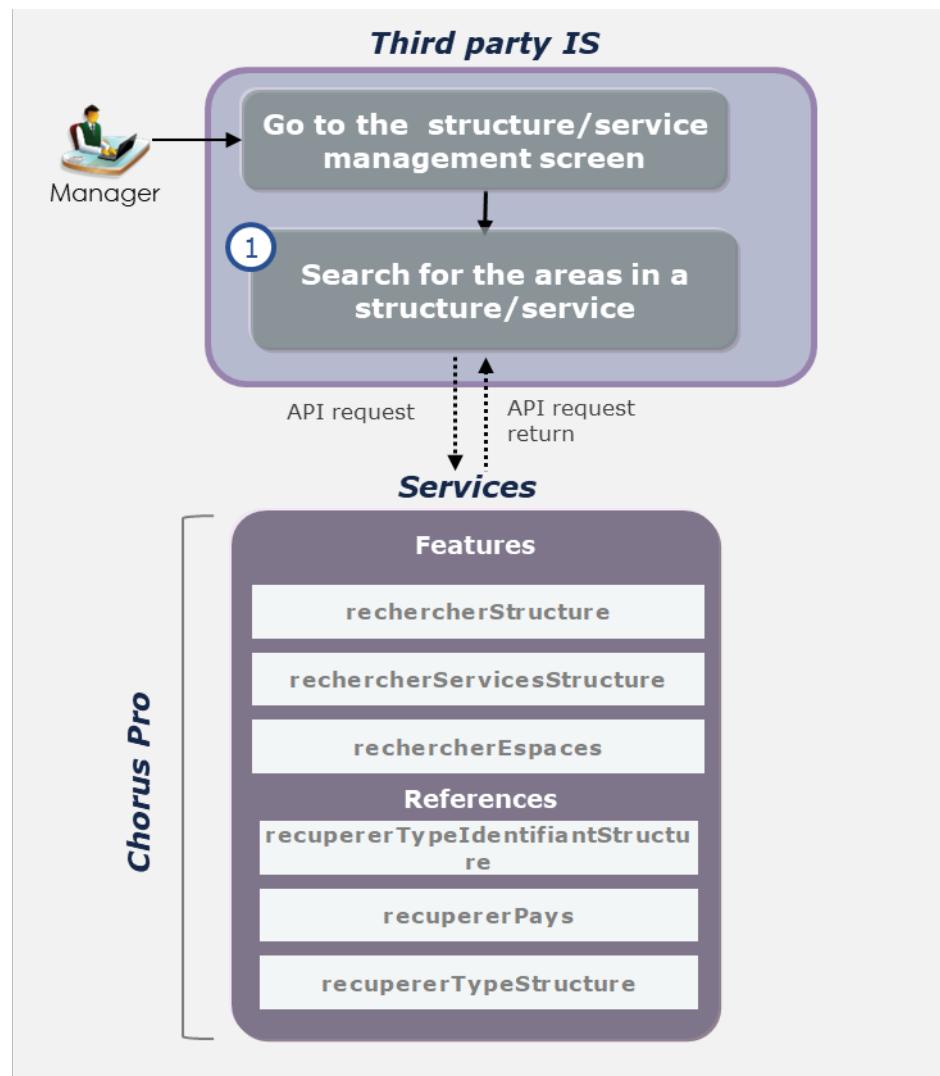
- **Usage case 2.1.3 : Create a service**

A manager wants to create a new service and configure it in a structure he manages.
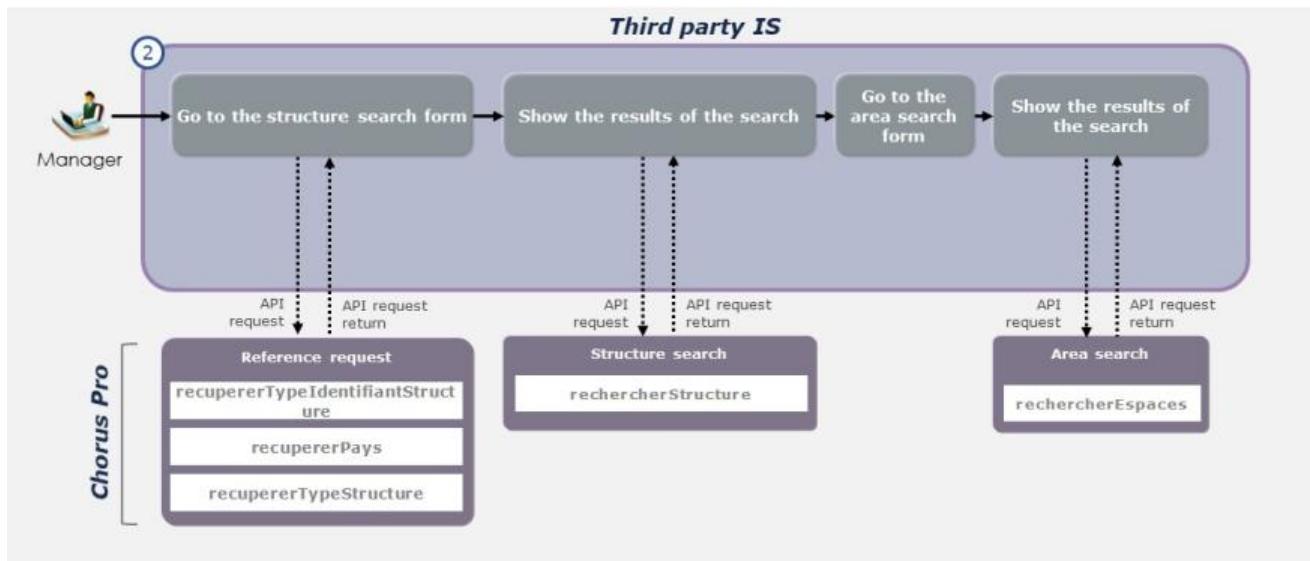
1.2.2.1.2 Area management in a structure/service
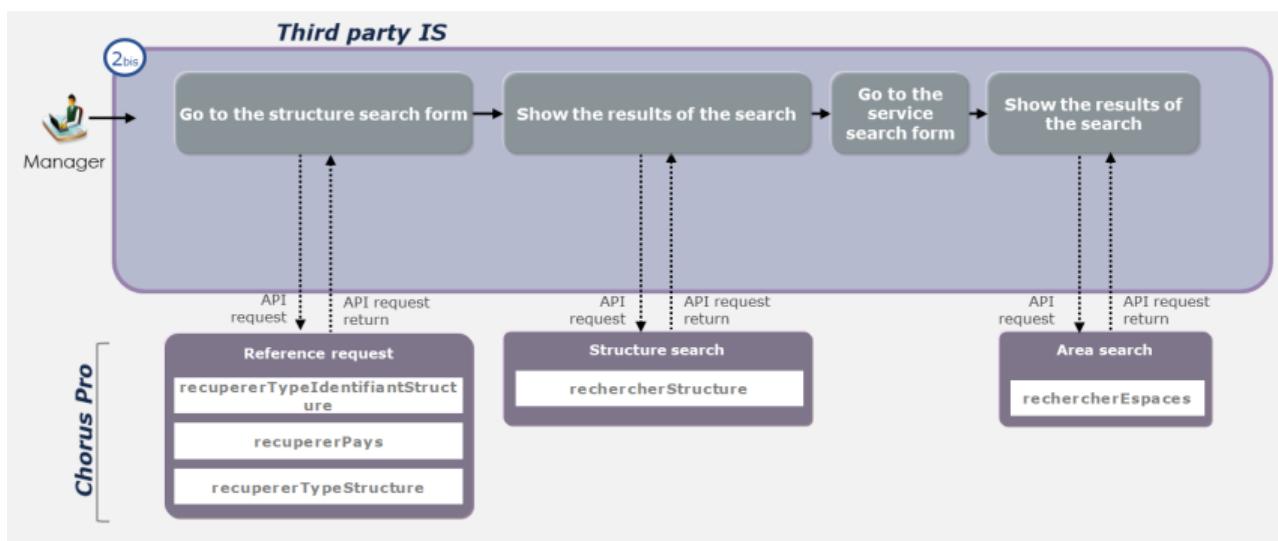
- **Usage case 2.4.2 : Search for areas in a structure/service**

A manager wants to search for the areas of one of his structures/services.

Variant:

A manager wants to search for an area in a service which belong to his structure.

1.3 Qualification of services

In the "production qualification" environment, a user connected to Chorus Pro can access an API Manager (DMZ interface) which allows them to qualify the APIs they will call Chorus Pro.

The user can connect to the API Manager by entering a login and a password specific to the qualification area, identifying the user on Chorus Pro. This login corresponds to a technical account communicated in the data mattress at the time of connection.

2   INPUT, OUTPUT AND ERROR TABLES OF THE SERVICES OFFERED IN THE API

2.1   Summary table

The table sums up the different services offered in the API. It allows to directly click to the precise input, output or error table. They might be updated if new services are offered.

Simple invoice	Invoice to issue	*Submit invoice flow*
		Submit PDF invoice
		Submit invoice
	Process an issued invoice	*Complete invoice*
		Consult invoice by supplier
		Correct validator invoice
		Search invoice to be processed by supplier
		Search invoice by supplier
		Recycle invoice
	Process a received invoice	*Consult invoice by recipient*
		Search invoice to be processed by recipient
		Search invoice by recipient
		Process received invoice
	Process an invoice to validate	*Consult invoice by validator*
		Search invoice to be processed by validator
		Search invoice by validator
		Retrieve reasons to refuse invoice to be validated
		Retrieve invoice statuses noticeable by the validator
		Process invoice to be validated
	Retrieve invoice information	*Search payment request*
		Consult invoice history
		Download invoice group
Work invoice	Initiate or complete an invoice file	*Consult invoice file*
		Consult work invoice
		Search work invoice
		Search work invoice to be processed
		Submit work invoice
	Process a work invoice	*Ask to recycle previous attachment*
		Take a work invoice into account
		Refuse work invoice
		Suspend or ask to complete work invoice
		Retrieve reasons to refuse work invoice
	Process a work invoice in error	*Complete work invoice*
		Complete Project Manager
		Complete work invoice service Project Manager
		Correct validator work invoice
		Recycle work invoice
User and structure management	Manage areas from my structure/service	*Search area*
	Manage my structure	*Consult SIRET information*
		Consult structure
		Search structure services
		Search structure

		Download recipient directory
	Manage my service	*Consult structure service*
		Enter general information structure service
	Manage my user account	*List structure connections user*
		Retrieve my user account connections
Data flow overview	Consult account	*Consult account*
	Consult detailed account	*Consult detailed account*
Commitment number management	Consult the details of a commitment	*Consult the details of a commitment*
	Search for a commitment number	*Search for a commitment number*
	Retrieve the status of a commitment	*Retrieve the status of a commitment*
	Retrieve the type of a commitment	*Retrieve the type of a commitment*
Request management	Common services of all requests	*Add complementary informations in the request*
		Search for issued requests
		Search for received requests
		Download requests
		Consult requests
	Issued requests	*Enter a request*
	Received requests	*Answer a request*
Cross-functional and reference services	Manage the attachments	*Add file in the system*
		Get attachment out
		Bind an attachment to a structure
		Bind an attachment to a user
		Search for an attachment on My account
		Search for an attachment in a structure
		Download an attachment
	Search for elements in the directory	*Search for a recipient*
		Search for an executing service
		Retrieve executing services of the State
		Retrieve active structures for recipient
		Retrieve active structures for work invoices
		Retrieve active structures for supplier
	Table of references	*Retrieve the invoicing framework*
		Retrieve currencies
		Retrieve flow syntax
		Retrieve deposit mode
		Retrieve payment means

		Retrieve reason for VAT exemption
		Retrieve country
		Retrieve flow format
		Retrieve VAT rates
		Retrieve types of payment request
		Retrieve types of work invoices
		Retrieve types of structure identifiers
		Retrieve types of attachment
		Retrieve types of structure
		Retrieve valid bank details
		Search for request category
		Search for request subcategory
		Retrieve structures for user
	References tables for processing received invoices	Retrieve the status by type of payment request
		Retrieve possible statuses for processing

2.2 Simple invoice

2.2.1 Invoice to issue

This chapter shows input, output and error tables for the following methods:

- Submit invoice flow
- Submit PDF invoice
- Submit invoice

2.2.1.1 Submit invoice flow

The method deposerFluxFacture allows to submit a XML file or PDF/A3 giving the opportunity to fill in the data needed for an invoice flow. The file for the flow must not exceed 120 Mo. If the file exceeds this size, the error 20001 will be sent.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateur Courant	Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
fichierFlux	String: file corresponding to the invoicing flow, base64 encoded	file			1
nomFichier	String: file name with the extension	varchar(200)			1
syntaxeFlux	String: choice of the syntax of the file to submit	varchar(24)	9 possible values: - IN_DP_E1_UBL_INVOICE - IN_DP_E1_CII_16B - IN_DP_E1_PES_FACTURE - IN_DP_E1_XCBL - IN_DP_E2_UBL_INVOICE_MIN - IN_DP_E2_CII_MIN_16B - IN_DP_E2_CII_FACTURX - IN_DP_E2_PES_FACTURE_MIN - IN_DP_E2_CPP_FACTURE_MIN	recupererSynt axeFlux	1

avecSignature	Boolean: Precise if the file has been signed or not	boolean	true: the file is signed false: the file isn't signed	0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
numeroFluxDepot	String: deposit number of the flow contening the invoice	varchar(25)	This data allows the user to uniquely identify a flow of invoices in the Chorus Pro system	1
dateDepot	String: deposit date of the flow of invoices	date	Format: AAAA-MM-JJ	1
syntaxeFlux	String: syntax of the flow	varchar(24)	9 possible values: - IN_DP_E1_UBL_INVOICE - IN_DP_E1_CII_16B - IN_DP_E1_PES_FACTURE - IN_DP_E1_XCBL - IN_DP_E2_UBL_INVOICE_MIN - IN_DP_E2_CII_MIN_16B - IN_DP_E2_CII_FACTURX - IN_DP_E2_PES_FACTURE_MIN - IN_DP_E2_CPP_FACTURE_MIN	1

Error table

Error code	Description	Associated error message
20000	The anti-virus control service rejected the file	GDP_MSG_11.036
20001	The size of the file must be less than or equal to the maximum size allowed for a deposit	GDP_MSG_11.022
20002	The file extension control service rejected the file	GDP_MSG_11.025
20004	The user does not have the necessary clearances to perform this action.	GDP_MSG_11.021
20005	The input data format does not conform to the format expected by EDI processing.	GDP_MSG_11.020
20006	An error occurred while loading the file into the system	GDP_MSG_11.023
20007	The input-supplied file encoding does not conform to the encoding standard (base64)	TRA_MSG_00.020

2.2.1.3 Submit PDF invoice

The method deposerPDFFacture allows to submit a PDF file and initiate character recognition. The interpreted invoice is in status « INTERPRETEE_OCR ». She will be submitted with the method « soumettreFacture ». The PDF file must not exceed 10 Mo. If the file exceeds this size, a 413 error will be sent.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant	Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
fichierFacture	String: PDF file corresponding to the invoice base64 encoded	file		1
nomFichier	String: Name of the file with extension (without the path)	varchar(200)		1
formatDepot	String: Choice of the format of the file to submit	varchar(15)	3 possible values: - PDF_NON_SIGNE - PDF_SIGNE_PADES - PDF_SIGNE_XADES	1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	0-1
dateFacture	String: Date of the invoice shown on the PDF	date	Format: AAAA-MM-JJ	0-1
codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	0-1
codeServiceExecutant	String: service code of the invoice recipient	varchar(100)	Alphanumeric value	0-1
codeFournisseur	String: supplier ID	varchar(80)		0-1
codeDeviseFacture	String: currency code of the invoice	varchar(3)		0-1
typeFacture	String: invoice type	varchar(50)	2 possible values: - AVOIR - FACTURE	0-1

			Default value: FACTURE	
typeTva	String: VAT type	varchar(50)	4 possible values: - TVA_SUR_DEBIT - TVA_SUR_ENCAISSEMENT - EXONERATION - SANS_TVA	0-1
numeroBonCommande	String: purchase order number	varchar(50)		0-1
montantTtcAvantRemiseGlobalTTC	Number: Tax included amount of the invoice before discount	decimal(19,6)		0-1
montantAPayer	Number: payable amount of the invoice	decimal(19,6)		0-1
montantHtTotal	Number: Tax-free amoount of the invoice after discount	decimal(19,6)		0-1
montantTVA	Number: VAT amount of the invoice after discount	decimal(19,6)		0-1
pieceJointeId	Number: Technical ID of the attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	1

Error table

Error code	Description	Associated error message
20000	The anti-Virus control service rejected the file	GDP_MSG_01.001
20001	The file format is not PDF	GDP_MSG_01.002
20002	The signature of the PDF is incorrect	GDP_MSG_01.003
20003	A technical error occurred: {0} {0}= Technical error description	TRA_MSG_01.001
20004	The length of file names to attach as attachments must not exceed {0} characters {0}= Maximum length allowed	TRA_MSG_00.004
20005	The file size {0} rising to {1} is greater than the maximum allowed size {2} when attaching attachments {0}=file name {1}=file size {2}= maximum size allowed	TRA_MSG_00.003
20007	The attachment name must be entered	TRA_MSG_00.021
20008	The input-supplied file encoding does not conform to the encoding standard (base64)	TRA_MSG_00.020

20009	The name of the input file must have the PDF extension	TRA_MSG_00.023
20302	The date the invoice is issued must be earlier than or equal to the date the invoice was deposited in the system.	GFT_MSG_99.011

2.2.1.4   Submit invoice

The method soumettreFacture allows to submit an invoice to the solution CPP 2017 in filling the data needed for a flow.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
modeDepot		String: Deposit mode code	varchar(50)	3 possible values: - SAISIE_API - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API	If ModeDepot = SAISIE_API: recupererModeDepot If ModeDepot = DEPOT_PDF_API or DEPOT_PDF_SIGNE_API: deposerPdfFacture	1
numeroFactureSaisi		String: invoice number	varchar(20)	Required if the deposit mode code is "DEPOT_PDF_API" or "DEPOT_PDF_SIGNE_API". This ID is unique for each supplier. If the deposit mode is « SAISIE_API », then the value is not taken in account : it is automatically generated by the Chorus Pro system. Alphanumeric value	deposerPdfFacture	0-1
dateFacture		String: date of the invoice submited in PDF or by EDI	date	Mandatory if the deposit mode code is "DEPOT_PDF_API" or "DEPOT_PDF_SIGNE_API". Format: AAAA-MM-JJ	deposerPdfFacture	0-1

				The date the invoice is issued must be earlier than or equal to the date the invoice was deposited in the system.		
Recipient						
destinataire						1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	If ModeDepot = SAISIE_API: RechercherDestinataire If ModeDepot = DEPOT_PDF_API or DEPOT_PDF_SIGNE_API: DeposerPdfFacture	1
	codeServiceExecutant	String: service code of the invoice recipient	varchar(100)	Alphanumeric value Service code is required if the recipient structure has set it as such		0-1
Supplier						
fournisseur						1
	idFournisseur	Number: supplier technical ID in CPP system	integer		RecupererStructuresActivesPourFournisseur	1
	idServiceFournisseur	Number: technical ID of the supplier's service	integer		RecupererServicesParStructure	0-1
	codeCoordonneesBancairesFournisseur	Number: ID of the supplier's bank details	integer		RecupererCoordonneesBancairesValides	0-1
Invoicing framework						

cadreDeFactu ration						1
	codeCadre Facturatio n	String: Invoicing frameworkinvoi cing framework code	varchar(50)	4 possible values: A1_FACTURE_FOURNI SSEUR A2_FACTURE_FOURNI SSEUR_DEJA_PAYEE A9_FACTURE_SOUST RAITANT A12_FACTURE_COTR AITANT	RecupererCadr eFacturation	1
	codeStruct ureValideu r	String: code of the validator structure	varchar(80)	Alphanumeric value If the invoicing framework is a cocontracting or subcontracting (A9, A12) then the validator must be entered.Invoicing frameworkInvoicing framework	RechercherStr ucture	0-1
	codeServi ceValideur	String: code of the service of the validator 1 structure	varchar(100)	Alphanumeric value If the invoicing framework is a cocontracting or subcontracting (A9, A12) then the validator must be entered.Invoicing frameworkInvoicing framework	RechercherSer vicesStructure	0-1
References						
references						1
	deviseFact ure	String: currency code of the invoice	varchar(3)		RecupererDevi ses	1
	typeFactur e	String: invoice type	varchar(50)	2 possible valuespossible values: - AVOIR - FACTURE Default value: FACTURE		1

	typeTva	String: VAT type	varchar(50)	4 possible valuespossible values: - TVA_SUR_DEBIT - TVA_SUR_ENCAISSEMENT - EXONERATION - SANS_TVA The value to be transmitted here is deducted from the data "Régime TVA " and "Exonération" from the E1 format, according to the following management rule: - If no tax summary lines are entered, the TypeTVA is 'SANS_TVA' - Otherwise if the RécapitulatifTaxes. Exoneration tag is filled, the TypeTVA is 'EXONERATION' - Otherwise, the TypeTVA is the same as the RegimeTVA tag. (TVA_SUR_DEBIT or TVA_SUR_ENCAISSEMENT)		1
	motifExonerationTva	String: reason for VAT exemption	varchar(5)	The selection of a reason is only possible and mandatory if the VAT type "Exonéré" is selected.	RecupererMotifsExonerationTva	0-1
	numeroMarche	String: contract number	varchar(50)			0-1
	numeroBonCommande	String: purchase order number	varchar(50)	1) If the recipient is the state, then the system controls the existence of the purchase order (if entered). 2) If the recipient	RechercherEngagementJuridique	0-1

				indicates, at the level of its setup, that the purchase order is mandatory (StructurePublique.gestionNumeroEj = TRUE or StructurePublique.gestionNumeroEJOuCodeService and the service code not entered), then the system checks that the purchase order is entered. 3) in all other cases, these parameters are not controlled.		
	numeroFactureOrigine	String: original invoice number	varchar(20)	This parameter is only comprehensible if the invoice type is "Avoir". Otherwise, the parameter is ignored.		0-1
	modePaiement	String: payment mean ID	varchar(11)	6 possible values: - ESPECE - CHEQUE - PRELEVEMENT - VIREMENT - AUTRE - REPORT	recupererModeReglements	1
Invoicing lines						
lignePoste			List	If the deposit mode is "SAISIE_API", there must be at least one line of post.		0-n
	lignePosteNumero	Number: number of the invoicing line	integer			1
	lignePosteReference	String: label of the invoicing line's reference	varchar(40)			0-1
	lignePosteDenomination	String: name of the invoicing line	varchar(40)			1
	lignePosteQuantite	Number: quantity of the invoicing line	decimal(19,6)			1
	lignePosteUnite	String: unit code of the invoicing line	Varchar(20)			1

	lignePoste MontantU nitaireHT	Number: tax-free unit amount of the invoicing line	decimal(19,6)			1
	lignePoste MontantRe miseHT	Number: Tax-free discount amount of the invoicing line	decimal(19,6)			0-1
	lignePoste TauxTva	String: VAT percent code of the invoicing line	varchar(6)	If the VAT type of the invoice is "SANS_TVA" or "EXONERATION", these settings are ignored. Otherwise, one of the two parameters (TauxTva or tauxTvaManuel) must be entered.	RecupererTaux Tva	0-1
	lignePoste TauxTvaM anuel	Number: VAT rate manually entered in the post line	decimal(5,2)			0-1
VAT summary						
ligneTva			List			0-n
	ligneTvaT auxManue l	Number: VAT rate manually entered	decimal(5,2)	If the VAT code is not entered, the manual VAT rate is obligatory		0-1
	ligneTvaT aux	String: post line VAT rate code	varchar(6)		RecupererTaux Tva	0-1
	ligneTvaM ontantBas eHtParTau x	Number: Tax-free basic amount by rate	decimal(19,6)	Calculation of the tax-free basic amount for each rate applicable to the invoice level: Tax-free Basic amount = SUM (Tax-free amount after global discount)		1
	ligneTvaM ontantTva ParTaux	Number: VAT total per VAT rate	decimal(19,6)	Calculation of the VAT amount for each rate applicable to the invoice level: VAT Amount = SUM (Tax-free amount after global discount) x (100 + VAT rate)/100		1
Total amount						
montantTotal						1
	montantHt Total	Number: Tax-free amoount	decimal(19,6)			1

		of the invoice after discount				
	montantTVA	Number: VAT amount of the invoice after discount	decimal(19,6)			1
	montantTtcTotal	Number: tax-included global amount of the invoice after allowance	decimal(19,6)	This attribute is automatically calculated by Chorus Pro (cf. GDP-CU-11-RGD-64).		1
	montantRemiseGlobaleTTC	Number: tax-included global allowance amount	decimal(19,6)			0-1
	motifRemiseGlobaleTTC	String: reason for tax-included global allowance amount	text(1024)			0-1
	montantAPayer	Number: payable amount of the invoice	decimal(19,6)	The amount to be paid can not exceed the total tax included amount		1
Main attachment
pieceJointePrincipale			List	Attachable and mandatory only if the deposit mode is "DEPOT_PDF_API" or "DEPOT_PDF_SIGNE_API".		0-1
	pieceJointePincipaleDesignation	String: free description of the attachment	varchar(100)			1
	pieceJointePrincipaleId	Number: Technical ID of the attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	deposerPdfFacture or ajouterFichierDansSysteme	1
Pièces jointes complémentaires
pieceJointeComplementaire			List			0-n
	pieceJointeComplementaireDesignation	String: free description of the attachment	varchar(100)			1
	pieceJointeComplementaireType	String: the type of the additional attachment to	varchar(30)		RecupererTypesPieceJointe	1

		add to the invoice				
	pieceJoint eComplem entaireNu meroLigne Facture	Number: number of the invoicing line to which the additional attachment may refer	integer			0-1
	pieceJoint eComplem entaireId	Number: Technical ID of the attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	RechercherPiec eJointeSurStru cture OR RechercherPiec eJointeSurMon Compte OR AjouterFichier DansSysteme	1
commentaire						
commentaire		String: free comment field	text(200 0)			0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
identifiantFactureCPP	Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
identifiantStructure	String: functional ID of the supplier structure	varchar(80)		1
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
statutFacture	String: current status of the invoice	varchar(50)		1
dateDepot	String: Submission date of the invoice	date	Format: AAAA-MM-JJ	1

Error table

Error code	Description	Associated error message
User/ supplier authorization controls		
20400	Verification of user authorization vendor – creation: The user does not have the necessary clearances to submit the new application.	**GDP_MSG_11.005** GDP-CU-11-RGD-17: If the payment request is new/or to perform a search as a provider, the user must be "ACTIF" and the connection between the user and the vendor service or the vendor structure must be "VALIDE".
	Verifying the user authorization provider – existing request: The user does not have the necessary clearances to submit the existing application.	GDP-CU-11-RGD-20: If the payment request exists/or for a search or consultation, the user must be "ACTIF" and the connection between the user and the supplier service or the supplier structure must be "VALIDE" and (the user must be the creator of the Request or the user is manager of the service or structure) In addition: In the case of a service, it must be in the state « ACTIF » In the case of a structure, it must be in the state « ACTIF »
	If the despostif mode is "DEPOT_PDF_API" or "DEPOT_PDF_SIGNE_API", the request exists and the status of the payment request (DemandePaiement. etatCourant) must be equal to:- « INTERPRETEE_OCR »	

	- « BROUILLON » [DRAFT] - « ERREUR_FOURNISSEUR_SUR_VALIDEUR » [ERROR ON VALIDATOR BY SUPPLIER]	
	DemandePaiement	
20001	The consistency checks on the payment request are not valid.	GDP_MSG_11.002a GDP-CU-11-RGD-01
20002	The attachment {0}, whose type is {1}, does not exist.	GDP_MSG_11.044
20003	The recipient structure {0} is not a public structure.	GDP_MSG_11.068
20007	The recipient structure is not active; it cannot receive any invoice.	GDP_MSG_11.070
20008	The issuing structure is not active; it cannot issue any invoice.	GDP_MSG_11.071
20009	The invoice number is only composed by figures, letters and the following special characters: "-", "_", "+" and "/".	GDP_MSG_11.076 GDP-CU-11-SER-12 (TDI-CU-03-RGD-06)
20010	The designation of the main attachment must be entered.	GDP_MSG_11.073
20011	The designation of the complementary attachment must be entered.	GDP_MSG_11.074
20012	The structure {0} does not use the application "Payment request"; then, it cannot be linked to any payment request.	GDP_MSG_01.014 {0}= functional identifier of the structure (Cf. TRA-CU-00-RGD-40) " - " designation of the structure (Cf. TRA-CU-00-RGD-37) GDP-CU-11-SER-01
20013	The tax-included rebate amount cannot be negative or greater than the tax-included amount before rebate.	GMJ_MSG_01.055 GDP-CU-11-RGD-01
Semantic controls: GDP-CU-11-RGD-02		
	DemandePaiement	
20020	The currency must be in the **Devise** repository	**GDP_MSG_11.002b**
	The method of settlement must be in the repository of **ModeReglement**	
	The invoicing framework must be located in the **CadreFacturation** repository	
	The VAT type must be located in the repository of **TypeTva**	
	Invoice	
20020	The invoice type must be located in the **TypeFacture** repository	**GDP_MSG_11.002b**
	For each LignePoste	
20020	The VAT rate of each line must be in the repository of the **TauxTva**	**GDP_MSG_11.002b**
	The unit of each line must be located in the **Unités** repository	
	For each LigneTvaParTauxDemandePaiement	

20020	The VAT rate of each line must be in the repository of the **TauxTva**	**GDP_MSG_11.002b**
Checking for mandatory invoice information		
GDP-CU-11-RGD-09 - Controlling the synthesis of the header		
20030	Mandatory field: The reason for VAT exemption (DemandePaiement.motifExonerationTva.code) if TypeTva is equal to « EXONERATION »	**GDP_MSG_11.002d**
	If the recipient indicates, at the level of its setting, that the market or purchase order number is mandatory at the level of the structure (StructurePublique.gestionNumeroEj = TRUE), Then the system checks that at least the market or order number is entered.	
	If the recipient indicates, at the level of its setting, that the market or purchase order number is mandatory at the service level (Service.NumeroEj = TRUE), then the system checks that at least the market or order number is entered.	
	If the recipient indicates, at the level of its setting, that either the service code or the commitment number is required at the service level (Structure.gestionNumeroEjOuCodeService = TRUE), then the system controls the presence of the market number or purchase order if the service has not been entered.	
	Required field: service code running (DemandePaiement.destinataire.codeService) ff the recipient requests it	
20031	Private structures are not able to select the recipient service FACTURES_PUBLIQUES. Please modify the entry.	GDP_MSG_11.072
GDP-CU-11-RGD-10 - Checking the lines of the invoice		
20037	Mandatory field:: If the invoice has at least one line, for each invoice line, the following information is required: - The number of the retail line (LigneDemandePaiement.numero) - The denomination (LigneDemandePaiement.denomination) - The quantity (LignePoste.quantite) - The unit (LignePoste.unite.code) - The tax-free unit amount	**GDP_MSG_11.002e**

	(LignePoste.montantUnitaireHt) - The VAT rate (LignePoste.tauxTVA.code ou LignePoste.tauxTVAManuel)	
20038	Mandatory field: The validator if the invoicing framework is "A9 or A12" Invoicing framework(DemandePaiement.valideur1. identifiant)	**GDP_MSG_11.002f**
20300	Mandatory field: The number of the payment request must be entered (DemandePaiement.numero)	**GDP_MSG_11.052** Only if the deposit mode is "DEPOT_PDF_API" ou "DEPOT_PDF_SIGNE_API"
20301	Uniqueness: An invoice for the same supplier with the same number already exists (DemandePaiement.numero, DemandePaiement.fournisseur.structure. idStructure)	**GDP_MSG_11.051** Only if the deposit mode is "DEPOT_PDF_API" ou "DEPOT_PDF_SIGNE_API"
20302	The date the invoice is issued must be earlier than or equal to the date the invoice was deposited in the system.	**GFT_MSG_99.011**
20303	The recipient structure cannot be only a Contracting Authority for the invoicing framework {0}.	**GFT_MSG_01.037**
20304	The main attachment is required for the deposit modes DEPOT_PDF_API and DEPOT_PDF_SIGNE_API.	**GDP_MSG_13.002**
20305	The invoice must not be older than 4 years.	**TRA_MSG_09.013** GDP-CU-11-SER-12

2.2.2   Process an issued invoice

This chapter shows input, output and error tables for the following methods:
- Complete invoice
- Consult invoice by supplier
- Correct validator invoice
- Search invoice to be processed by supplier
- Search invoice by supplier
- Recycle invoice

2.2.2.1   Complete invoice

The method completerFacture allows to modify an invoice in status « SUSPENDUE » [PAUSED] in adding attachments and/or modifying the field « commentary »

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
identifiantFactureCPP		Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		0-1
Complementary attachments to be added						
pieceJointeComplementaire			List			0-n
	pieceJointeComplementaireDesignation	String: free description of the complementary attachment to be added to the invoice	varchar(255)			1
	pieceJointeComplementaireType	String: type of the complemetary attachment to be added to the invoice	varchar(30)		recupererTypesPieceJointe	1

	pieceJointeComplementaireNumeroLigneFacture	Number: number of the invoicing line to which the additional attachment may refer	integer			0-1
	pieceJointeComplementaireId	Number: Technical ID of the attachment in the system	integer		rechercherPieceJointeSurStructure OR rechercherPieceJointeSurMonCompte OR ajouterFichierDansSysteme	1
commentaire						
commentaire		String = free comment field	text(2000)			0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
identifiantFactureCPP	Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value	1
dateTraitement	String: date of the invoicing process	date	Date field: AAAA-MM-JJ HH:MI	1

Error table

Error code	Description	Associated error message
20000	The invoicing request does not exist	GDP_MSG_11.008
20001	The user has no required authorizations in order to submit the request	GDP_MSG_11.005
20002	The status of the invoicing request is not « Suspendue » [Paused]	GDP_MSG_11.033
20003	The attachment's type does not exist or does not match with the invoicing context	GDP_MSG_11.060
20004	The file extensions are not allowed in the invoicing request	GDP_MSG_11.045
20005	The maximum size of attachments is reached.	GDP_MSG_11.039
20006	There is already a principal attachment in the invoicing request	GDP_MSG_11.046

20007	Returning an error or no response from the SMA	TRA_MSG_ 00.007
20008	The attachment does not exist	GDP_MSG_ 11.044
20009	The type of attachment is not referenced	TRA_MSG_00.021
20010	The type of attachment is not referenced.	TRA_MSG_00.022

2.2.2.2 Consult invoice by supplier

The method consulterFactureParFournisseur allows to show the information from a previously issued invoice.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
identifiantFactureCPP		Number: technical ID of the invoice in the CPP 2017 system	integer	The technical identifier uniquely identifies the invoice within the CPP 2017 system.	0-1
codeLangue		String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1
nbResultatsMaximum		Number: Maximum number of results that can be seen for a research	integer	By default, the service returns no more than 200 results.	0-1
Search parameters of VAT summary lines					
pLigneRecapTva					0-1
	pageResultatDemandeeListeRecapitulatifTVA	Number: number of the results page. Results of VAT summary lines to be displayed	integer	By default, the page is the first page.	0-1
	nbResultatsParPageListeListeRecapitulatifTVA	Number: number of results per page that can be returned by the research of VAT summary lines	integer	By default, the service returns 10 results per page.	0-1

	triSensListeRecapitulatifTVA	String: sorting order	varchar(10)	Enumeration with 2 possible values : - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListeRecapitulatifTVA	String: reference column of the sorting	–	Enumeration with 6 possible values: - ligneTvaTauxRefCode - ligneTvaTauxRefLibelle - ligneTvaTauxRefValeur - ligneTvaTauxManuel - ligneTvaMontantBaseHtParTaux - ligneTvaMontantTvaParTaux By default, the sorting is performed on the field "ligneTvaMontantTvaParTaux".	0-1
Research parameters of the list of attachments					
pListePiecesJointes					0-1
	pageResultatDemandeeListePieceJointe	Number: number of the page of results to be displayed from the liste of attachments	integer	By default, the first page is returned.	0-1
	nbResultatsParPageListePieceJointe	Number: Number of results per page that can be returned by the search of attachment list	integer	By default, there are ten results per pageBy default, the service returns 10 results per page.	0-1
	triSensListePiecesJointes	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListePiecesJointes	String: reference column of the sorting	–	Enumeration with five possible valuespossible values: - pieceJointeTypeCode - pieceJointeTypeLibelle - pieceJointeDesignation - pieceJointeNumeroLigneFacture - pieceJointeExtension By default, the sorting is performed on the field "designation".	0-1

Research parameters of the invoicing lines					
pLignesPoste					0-1
	pageResultat DemandeeLig nesPoste	Number: number of the page of results to be displayed from the list of invoicing lines	integer	By default, the output is the first page.	0-1
	nbResultatsP arPageLignes Poste	Number: Number of results per page that can be returned by the search of invoice lines	integer	By default, the service returns 10 results per page. By default, there are ten results per page	0-1
	triSensListeLi gnesPoste	String: sorting order	varchar(1 0)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneList eLignesPoste	String: reference column of the sorting	–	possible valuesEnumeration with thirteen possible values : - lignePosteNumero - lignePosteReference - lignePosteDenomination - lignePosteQuantite - lignePosteUniteCode - lignePosteUniteLibelle - lignePosteMontantUnitaireHT - lignePosteMontantRemiseHT - lignePosteTauxTva - lignePosteTauxTvaManuel - lignePosteMontantHtApresRemise - lignePosteMontantTva - lignePosteMontantTtcApresRemis e By default, sorting is performed on the field"lignePosteNumero".	0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
facture							1
	identifiantFactureCPP			Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	numeroFacture			String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	statutFacture			String: current status of the invoice	varchar(50)	'Enumeration with twenty-two possible values (for invoices to be issued)possible values - BROUILLON [DRAFT] - A_VALIDER_1 [TO VALIDATE 1] - ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] - REFUSEE_1 [REFUSED 1] - VALIDEE_1 [VALIDATED 1] - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - A_VALIDER_2 [TO VALIDATE 2] - ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] - REFUSEE_2 [REFUSED 2] - VALIDEE_2 [VALIDATED 2]	1

						- ABSENCE_VALIDATION _2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - DEPOSEE [DEPOSITED] - EN_COURS_ACHEMINE MENT [BEING DELIVERED] - MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - A_RECYCLER [TO RECYCLE] - SUSPENDUE [PAUSED] - COMPLETEE [COMPLETED] - REJETEE [REJECTED] - MANDATEE [MANDATED] - MISE_EN_PAIEMENT [PAYMENT] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_ COMPTABLE [AVAILABLE TO ACCOUNTANT]	
	modeDepot			String: deposit mode of the invoice	varchar(50)	Enumeration with ten possible valuespossible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTA IL - DEPOT_PDF_SIGNE _PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE _API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATIO N	1
				Recipient			
	destinataire						0-1

		idDestinatai re		Number: technical id of the recipient in CPP 2017	integer	This identifier uniquely identifies the structure within the CPP 2017 system	1
		codeDestin ataire		String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
		libelleDesti nataire		String: description of the recipient	varchar(20 1)	This data is a string of characters which corresponds to the corporate name or the concatenated name and surname of its deputy	1
		idServiceEx ecutant		Number: technical id of the recipient service in CPP 2017	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremier Service = true, then this attribute is not entered.	0-1
		codeService Executant		String: service code of the invoice recipient	varchar(10 0)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
		libelleServic eExecutant		String: description of the recipient service	varchar(25 5)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		miseEnPaie mentDestin ataire		Boolean: indicator, linked to the recipient service, which allows to display added informations in the invoice	boolean	true: the recipient service give payment informations false: the recipient service does not give payment informations	0-1
		adresseDes tinataireId		Number: technical identifier of the recipient address in CPP 2017	integer	This identifier uniquely identifies the address within the CPP 2017 system.	0-1

		adresseDestinataireDetail		String: detail of the recipient's address	varchar(100)		0-1
		adresseDestinataireComplement1		String: first complement of the recipient's address	varchar(100)		0-1
		adresseDestinataireComplement2		String: second complement of the recipient's address	varchar(100)		0-1
		adresseDestinataireCodePostal		String: postal code of the recipient's address	varchar(10)		0-1
		adresseDestinataireVille		String: city (part of the recipient's address)	varchar(50)		0-1
		adresseDestinataireCodePays		String: country code of the recipient's address	varchar(2)		0-1
		adresseDestinataireLibellePays		String: country description of the recipient's address	varchar(100)		0-1
Supplier							
	fournisseur						1
		idFournisseur		Number: technical id of the supplier in CPP 2017	integer	This identifier uniquely identifies the structure within the CPP 2017 system	1
		typeIdentifiantFournisseur		String: identifier type of the supplier	varchar(14)	possible valuesEnumeration with seven possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
		codeFournisseur		String: supplier ID	varchar(80)		1

		raisonSociale Fournisseur		String: corporate name of the supplier	varchar(201)	Entered if typeIdentifiant <> PARTICULIER	0-1
		nomFournisseur		String: name of the supplier's deputy	varchar(100)	Entered if typeIdentifiant = PARTICULIER	0-1
		prenomFournisseur		String: surname of the supplier's deputy	varchar(100)	Entered if typeIdentifiant = PARTICULIER	0-1
		idServiceFournisseur		Number: technical ID of the supplier's service in CPP 2017	integer	This identifier uniquely identifies the service within the CPP 2017 system	0-1
		codeServiceFournisseur		String: supplier's service code	varchar(100)	Alphanumeric value	0-1
		libelleServiceFournisseur		String: supplier's service description	varchar(255)		0-1
		adresseFournisseurId		Number: technical id of the supplier's address in CPP 2017	integer	This identifier uniquely identifies the address within the CPP 2017 system	0-1
		adresseFournisseurDetail		String: detail of the supplier's address	varchar(100)		0-1
		adresseFournisseurComplement1		String: first complement of the supplier's address	varchar(100)		0-1
		adresseFournisseurComplement2		String: second complement of the supplier's address	varchar(100)		0-1
		adresseFournisseurCodePostal		String: postal code of the supplier's address	varchar(10)		0-1
		adresseFournisseurVille		String: city of the supplier's address	varchar(50)		0-1
		adresseFournisseurCodePays		String: country code of the supplier's address	varchar(2)		0-1
		adresseFournisseurLibellePays		String: country description of	varchar(100)		0-1

				the supplier's address		
		NumeroRcsFournisseur		String: RCS tax identification of the supplier	varchar(100)	Alphanumeric value	0-1
		coordBancairesFournisseurCleIban		String: IBAN key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
		coordBancairesFournisseurCleRib		String: RIB key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
		coordBancairesFournisseurCodeBanque		String: bank code of the supplier's bank details	varchar(5)	Alphanumeric value	0-1
		coordBancairesFournisseurCodePays		String: country code of the supplier's bank details	varchar(2)		0-1
		coordBancairesFournisseurCompteBancaire		String: bank account of the supplier's bank details	varchar(30)	Alphanumeric value	0-1
		coordBancairesFournisseurId		Number: ID of the supplier's bank details	integer		0-1
		coordBancairesFournisseurType		String: type of the supplier's bank details	varchar(4)	possible valuesEnumeration with two possible values: - IBAN - RIB	0-1
		coordBancairesFournisseurLibelle		String: label of the supplier's bank details	varchar(255)	Alphanumeric value	0-1
		affactureur					0-1
			affactureurId	Number: technical identifier of the factor in CPP 2017	integer	This identifier uniquely identifies the structure within the CPP 2017 system.	0-1
			affactureurCode	String: factor's identifier	varchar(80)		0-1
			affactureurTypeIdentifiant	String: identifier's type of the factor	varchar(14)	possible values Enumeration with seven possible values: - SIRET - RIDET	0-1

					- TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	
		affactureur RaisonSociale	String: factor's corporate name	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
		affactureur CodePays	String: factor's country code	varchar(2)		0-1
Invoicing framework Invoicing framework						
	cadreDeFacturation					0-1
		codeCadreF acturation	String: Invoicing frameworkinvoicing framework code	varchar(50)	Enumeration with four possibe values possible values: - A1_FACTURE_FOUR NISSEUR - A2_FACTURE_FOUR NISSEUR_DEJA_PA YEE - A9_FACTURE_SOUS TRAITANT - A12_FACTURE_COT RAITANT	1
		idValideur1	Number: technical identifier of the first validator	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifi antValideur 1	String: first validator's identifier type	varchar(14)	possible valuesEnumeration with seven possible values : - SIRET - RIDET - TAHITI - HORS_UE	0-1

						- UE_HORS_FRANCE - PARTICULIER - AUTRE	
		codeValideur1		String: first validator's identifier	varchar(80)		0-1
		raisonSocialeValideur1		String: first validator's corporate name	varchar(99)	Informed iftypeIdentifiant <> PARTICULIER	0-1
		nomValideur1		String: name of the first validator's deputy	varchar(100)	Informed if typeIdentifiant = PARTICULIER	0-1
		prenomValideur1		String: surname of the first validator's deputy	varchar(100)	Informed if typeIdentifiant = PARTICULIER	0-1
		dateValidation1		String: date of validation by the first validator	date	Date field : AAAA-MM-JJ	0-1
		idValideur2		Number: technical identifier of the second validator in CPP 2017	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifiantValideur2		String: second validator's id type	varchar(14)	possible valuesEnumeration with seven possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
		codeValideur2		String: second validator's identifier	varchar(80)		0-1
		raisonSocialeValideur2		String: second validator's corporate name	varchar(99)	Informed iftypeIdentifiant <> PARTICULIER	0-1
		nomValideur2		String: name of the second validator's deputy	varchar(100)	Informed if typeIdentifiant = PARTICULIER	0-1

				String: surname of the second validator's deputy	varchar(10 0)	Informed if typeIdentifiant = PARTICULIER	0-1
			prenomVali deur2				
			dateValidati on2	String: date of validation by the second validator	date	Date field : AAAA-MM-JJ	0-1
References							
	references						1
			dateFacture	String: invoicing date in the supplier's IS	date	Date field: AAAA-MM-JJ	0-1
			dateDepot	String: Submission date of the invoice	date	Date field : AAAA-MM-JJ	0-1
			codeDevise Facture	String: currency code of the invoice	varchar(3)		1
			libelleDevis eFacture	String: currency description of the invoice	varchar(50)	Multilingual description: the description depends on the language required in service's parameters	1
			type Facture	String: invoice type	varchar(50)	possible valuesEnumeration with two possible values: - AVOIR - FACTURE	0-1
			typeTva	String: VAT type	varchar(50)	Enumeration with four possible values: - TVA_SUR_DEBIT - TVA_SUR_ENCAISS EMENT - EXONERATION - SANS_TVA	0-1
			motifExone rationTva	String: reason code for VAT exemption	varchar(5)	Only entered if VAT type is « Exonéré ».	0-1
			libelleMotifE xonerationT va	String: description of the reason for VAT exemption	varchar(50)	Only entered if VAT type is « Exonéré ». Multilingual	0-1

					description : the description depends on the required language in the service's parameters.	
		numeroMarche		String: contract number	varchar(50)		0-1
		numeroBonCommande		String: purchase order number	varchar(50)		0-1
		numeroFactureOrigine		String: original invoice number	varchar(20)	If the attribute typeFacture is not entered "AVOIR", then the criteria numeroFactureOrigine is not saved.	0-1
		modePaiement		String: payment mean	varchar(11)	Enumeration with six possible values: - ESPECE - CHEQUE - PRELEVEMENT - VIREMENT - AUTRE - REPORT	0-1
		dateCreationFacture		String: creation date of the invoice	date	Date field : AAAA-MM-JJ HH:MI	1
		dateEcheancePaiement		String: payment date of the invoice, entered by the supplier	date	Date field : AAAA-MM-JJ	0-1
		tailleTotalePiecesJointes		String: sum of attachments sizes (unit : Mo)	Decimal(10,3)		0-1
VAT summary							
	recapitulatifDeTva						0-1
		ligneTva			List		0-n
			ligneTvaTauxRefId	Number: technical identifier of the referenced VAT rate	integer	This identifier uniquely identifies the VAT rate within the CPP 2017 system.	0-1
			ligneTvaTauxRefCode	String: Referenced VAT rate's code	varchar(6)		0-1

		ligneTvaTauxRefLibelle	String: description of the referenced VAT rate	varchar(50)		0-1
		ligneTvaTauxRefValeur	Number: value of the referenced VAT rate	decimal(5,2)		0-1
		ligneTvaTauxManuel	Number: manual data entry of the VAT rate	decimal(5,2)		0-1
		ligneTvaMontantBaseHtParTaux	Number: basis amount without tax per tax rate	decimal(19,6)		1
		ligneTvaMontantTvaParTaux	Number: total tax amount per tax rate	decimal(19,6)		1
	pageCouranteLignesRecapitulativesTVA		Number: number of the current page	integer		0-1
	pagesLignesRecapitulativesTVA		Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPageLignesRecapitulativesTVA		Number: number of results per page	integer		0-1
	totalLignesRecapitulativesTVA		Number: Number of results returned by the research	integer		0-1
Total amount						
montantTotal						0-1
	montantHtTotal		Number: Tax-free amoount of the invoice after discount	decimal(19,6)		0-1
	montantTVA		Number: VAT amount of the invoice after discount	decimal(19,6)		0-1
	montantTtcAvantRemiseGlobalTTC		Number: Tax included amount of the invoice before discount	decimal(19,6)		0-1

		montantRe miseGlobal eTTC		Number: tax-included global allowance amount	decimal(19, 6)		0-1
		motifRemis eGlobaleTT C		String: reason for tax-included global allowance amount	text(1024)		0-1
		montantTtc Total		Number: tax-included global amount of the invoice after allowance	decimal(19, 6)		0-1
		montantAP ayer		Number: payable amount of the invoice	decimal(19, 6)		0-1
Main attachment							
	pieceJointe Principale						0-1
		idLiaisonPie ceJointePrin cipale		Number: technical identifier of the link between the invoice and the main attachment in the system	integer	This identifier uniquely identifies the link between the invoice and the main attachment within the CPP 2017 system.	1
		idPieceJoint ePrincipale		Number: technical identifier of the main attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	1
List of attachments							
	listeDesPiec esJointes						0-1
		pieceJointe			Liste		0-n
			pieceJointe TypeCode	String: code of attachment's type	varchar(30)		1
			pieceJointe TypeLibelle	String: description of the attachment's type	varchar(50)		1
			pieceJointe Designation	String: Free description of the attachment	varchar(10 0)		1

			pieceJointe NumeroLig neFacture	Number: number of the invoicing line to which the additional attachment may refer	integer		0-1
			pieceJointeI dLiaison	Number: technical identifier of the link between the invoice and the attachment in the system	integer		1
			pieceJointeI d	Number: Technical ID of the attachment in the system	integer		1
			pieceJointe Extension	String: extension of the attachment	varchar(5)		1
		pageCouran teListePiece sJointe		Number: number of the current page	integer		0-1
		pagesListeP iecesJointe		Number: Number of pages returned by the research	integer		0-1
		nbResultats ParPageList ePiecesJoin te		Number: Number of results per page	integer		0-1
		totalListePi ecesJointe		Number: Number of results returned by the research	integer		0-1
Invoicing lines							
	lignesDePos te						0-1
		lignePoste			Liste		0-n
			lignePosteN umero	Number: number of the invoicing line	integer		1
			lignePosteR eference	String: description of the invoicing line's reference	varchar(40)		0-1
			lignePosteD enominatio n	String: designation of the invoicing line	varchar(40)		0-1

			lignePosteQuantite	Number: quantity of the invoicing line	decimal(19, 6)		1
			lignePosteUnite	Number: invoicing line's unit	Varchar(50)		0-1
			lignePosteMontantUnitaireHT	Number: unit tax-free amount of the invoicing line	decimal(19, 6)		1
			lignePosteMontantRemiseHT	Number: tax-free rebateamount of the invoicing line	decimal(19, 6)		0-1
			lignePosteTauxTva	String: VAT rate code of the invoicing line	varchar(6)		0-1
			lignePosteTauxTvaManuel	Number: manual data entry of the invoicing line's VAT rate	decimal(5,2)		0-1
			lignePosteMontantHtApresRemise	Number: tax-free amount after rebate of the invoicing line	decimal(19, 6)		1
			lignePosteMontantTva	Number: VAT amount of the invoicing line	decimal(19, 6)		1
			lignePosteMontantTtcApresRemise	Number: tax-included amount after rebate of the invoicing line	decimal(19, 6)		1
		pageCouranteLignesPoste		Number: number of the current page	integer		0-1
		pagesLignesPoste		Number: Number of pages returned by the research	integer		0-1
		nbResultatsParPageLignesPoste		Number: Number of results per page	integer		0-1
		totalLignesPoste		Number: Number of results returned by the research	integer		0-1

				Comments			
	commentaire			String: free comment field	text(2000)		0-1

Error table

Error code	Description	Associated error message
20000	Unknown payment request	GDP_MSG_11.008
20001	The user {0} has not any required authorization in order to process the payment request {1} {0} = Name and surname of the user {1} = number of the payment request DemandePaiement.numero	GDP_MSG_11.005
200002	The status of the invoice does not allow the requested action	GDP_MSG_01.010

2.2.2.3   Correct validator invoice

The method corrigerValideurFacture allows a supplier to correct the validator initially on a rejected invoice because of wrong validator.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFacture		Technical identifier of the invoice in the CPP system	Integer			1
idStructure		Technical identifier of the first validator's structure	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure **Required**: IdStructure OR TypeIdentifiant Structure + IdentifiantStructure	RechercherStructure	0-1
typeIdentifiantStructure		possible valuesEnumeration of the validator's id type possible values	varchar(50)	Enumeration "TypeIdentifiant" **Required**: IdStructure OR TypeIdentifiant Structure + IdentifiantStructure	RechercherStructure	0-1
identifiantStructure		Functional identifier of the first validator's structure	varchar(80)	Alphanumeric value **Required:** IdStructure OR TypeIdentifiant Structure + IdentifiantStructure	RechercherStructure	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFacture		Technical identifier of the invoice in the CPP system	Integer	This technical identifier uniquely identifies the current user within the CPP 2017 system.	1

Error table

Error code	Description	Message d'erreur associé
20000	GDP_MSG_11.001: The status of the payment request is {0}. The possible values are following :possible values BROUILLON [DRAFT] or ERREUR FOURNISSEUR SUR VALIDEUR	
20001	GDP_MSG_11.008: The payment request {0} has not be found	
20002	GDP_MSG_11.065: The identifier {0} of the payment request does not match with an Invoice (Facture) type	
20003	GDP_MSG_11.005: The user {0} has no required authorization allowing him to process the payment request {1}	
20004	GDP_MSG_11.002f: The first validator is not right.	
20005	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062
20006	There is no active structure matching with the identifier {0}.	GCU_MSG_100.001 - Control required on the sending and recipient structures {0} = Technical identifier or functional identifier of the sending or recipient structure

2.2.2.4   Search invoice to be processed by supplier

The method rechercherFactureATraiterParFournisseur allows to show invoices which can be processed by the supplier because of their status (complete, recycle, delete, modify the validator).

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1

idStructure		Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure.
				
				The system gets the list of invoices :
				- whose supplier corresponds to the indicated structure (if IdStructure is filled)
				OR whose supplier of each invoice corresponds to one of the structures that the user is linked to (if IdStructure is not filled)
				- whose status is :
				  - BROUILLON [DRAFT]
				  - ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER]
				  - REFUSEE_1 [REFUSED 1]
				  - REFUSEE_2 [REFUSED 2]
				  - A_RECYCLER [TO RECYCLE]
				  - SUSPENDUE [PAUSED]
				  - REJETEE [REJECTED]
					recupererStructuresActivesPourFournisseur	0-1

masquerRejetee		Boolean: returns (or not) all the invoices (rejected or not for the number of days set in back office)	Boolean	By default, the value is 'false'. false: returns all the invoices true: returns all the invoices without them which had become 'REJETEE' [REJECTED] for a time period greater than the number of days		0-1

| | | | | [DELAI_AFFICHAGE_REJET] set in back office | | |
| | | | | | | |

Sorting and paging parameters						
rechercheFactureATraiterParFournisseur						0-1
	nbResultatsMaximum	Number: maximal number of results returned by the research that can be seen	integer	By default, the service returns no more than 200 results.		0-1
	pageResultatDemandee	Number: number of the displayed result's page	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: Number of results per page that can be returned by the search	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with twenty-one possible valuespossible values: - typeDemandePaiement - codeFournisseur - typeIdentifiantFournisseur - DesignationFournisseur - codeServiceFournisseur - nomServiceFournisseur - codeDestinataire - designationDestinataire - codeServiceExecutant - nomServiceExecutant - typeFacture - numeroFacture - dateFacture - dateDepot - montantHT		0-1

				- montantTTC - montantAPayer - Devise - Statut - numeroMarche - numeroBonCommande By default, the sorting is performed on the field "dateDepot".	

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: Number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of invoices to be processed					
listeFactures			Liste		0-n
	identifiantFactureCPP	Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDemandePaiement	String: type of payment request	varchar(50)		1
	codeFournisseur	String: supplier ID	varchar(80)	Functional identifier of the supplier	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(14)	Enumpossible valueseration with seven possible values : - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
	designationFournisseur	String: designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the	1

				concatenated name and surname of its deputy.	
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceFournisseur	String: supplier's service name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Number: technical identifier of the recipient structure within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	0-1
	designationDestinataire	String: recipient's designation	varchar(201)	This string of characters corresponds to the recipient's corporate name or the concatenated name and surname of its deputy.	0-1
	idServiceExecutant	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutant	String: executing service's name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1

typeFacture	String: invoicing type	varchar(50)	possible valuesEnumeration with two possible values : - AVOIR - FACTURE Default value (if not entered): FACTURE	0-1
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/]	1
dateFacture	String: invoicing date	date	Date field : AAAA-MM-JJ	0-1
dateDepot	String: Submission date of the invoice	date	Date field : AAAA-MM-JJ	0-1
montantHT	Number: amount excluding tax of the invoice	decimal(19, 6)		0-1
montantTTC	Number: tax-included amount of the invoice	decimal(19, 6)		0-1
montantAPayer	Number: payable amount of the invoice	decimal(19, 6)		0-1
devise	String: currency of the invoice	varchar(3)		1
statut	String: current status of the invoice	varchar(50)		1
numeroMarche	String: contract number	varchar(50)		0-1
numeroBonCommande	String: purchase order number	varchar(50)		0-1

Error table

Error code	Description	Associated error message
20000	There is no result for this research	GDP_MSG_11.046
20001	The user has no required authorization allowing him to process the payment request	GDP_MSG_11.021

2.2.2.5   Search invoice by supplier

The method rechercherFactureParFournisseur allows to show the issued invoices matching the search parameters

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
listeDestinataire			Liste			0-n
	idDestinataire	Number: technical identifier of the recipient in CPP 2017	integer		Rechercher Destinataire	1
	listeIdServiceExecutant	Number: List of technical identifiers of the recipient service in CPP 2017	integer (liste)		Rechercher ServiceExecutant	0-n
rechercheSirenDestinataire		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
numeroFacture		String: invoice number	varchar (20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]		0-1
periodeDateDepotDu		String: start date of the deposit's period	date	Date format: AAAA-MM-JJ		0-1
periodeDateDepotAu		String: end date of the deposit's period	date	Date field : AAAA-MM-JJ		0-1
typeFacture		String: List of invoicing types	varchar (50) (liste)	Enumeration with two possible values: - AVOIR - FACTURE		0-1
idFournisseur		Number: technical identifier of the	integer	This technical identifier unquely identifies the	RecupererStructuresActi	0-1

		supplier in CPP 2017		structure within the CPP 2017 structure	vesPourFour nisseur	
idServiceFo urnisseur		Number: technical ID of the supplier's service in CPP 2017	integer	This identifier uniquely identifies the service within the CPP 2017 system.	RecupererS ervicesParSt ructure	0-1
idStructure Valideur		Number: technical identifier of the first (or second) validator's structure in CPP 2017	integer	This identifier uniquely identifies the validator's structure within the CPP 2017 system.	RecupererV alideursPour Fournisseur	0-1
cadreFactur ation		String: Invoicing frameworkinvoi cing framework code	varchar (50)	Enumeration with four possible values : - A1_FACTURE_FOURNISSEUR - A2_FACTURE_FOURNISSEUR _DEJA_PAYEE - A9_FACTURE_SOUSTRAITANT - A12_FACTURE_COTRAITANT	RecupererC adreFactura tion	0-1
statutCoura nt		String: List of researched invoice's status	varchar (50) (liste)	It is possible to precise one or several status(es). If no status is precised, there is no filter on the statuses.	RecupererEt atParTypeD emandePaie ment	0-n
PeriodeDate HeureEtatC ourantDu		Date : start date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
PeriodeDate HeureEtatC ourantAu		Date : end date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
periodeDate FactureDu		String: start date of the invoicing period	date	Date field : AAAA-MM-JJ		0-1
periodeDate FactureAu		String: end date of the invoicing period	date	Date field : AAAA-MM-JJ		0-1
montantHT Min		Number: minimum amount without tax	decimal (19,6)			0-1
montantHT Max		Number: maximum	decimal (19,6)			0-1

		amount without tax				
montantTTC Min		Number: minimum amount including tax	decimal (19,6)			0-1
montantTTC Max		Number: maximum amount including tax	decimal (19,6)			0-1
montantApa yerMin		Number: minimum payable amount	decimal (19,6)			0-1
montantApa yerMax		Number: maximum payable amount	decimal (19,6)			0-1
coordonnee Bancaire		Number: bank details id	integer		RecupererC oordonnees BancairesVa lides	0-1
idUtilisateur Createur		Number: List of technical identifiers of the users who created the invoice in the CPP system	integer (liste)	This identifier uniquely identifies the user within the 2017 CPP system Must comply with the rules, relative to security, broadcast by the AIFE.	RecupererU tilisateursD uService	0-n
numeroMar che		String: contract number	varchar (50)			0-1
numeroBon Commande		String: purchase order number	varchar (50)		Rechercher Engagemen tJuridique	0-1
numeroFact ureOrigine		String: original invoice number	varchar (20)	If the attribute TypeFacture is not "AVOIR", then the criteria NumeroFactureOrigine is not supported.		0-1
modeDepot		String: Deposit mode code	varchar (50)	Enumeration with ten possible valuespossible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION"	RecupererM odeDepot	0-1

numeroFlux Depot		String: deposit number of the flow contening the invoice	varchar (25)		DeposerFlux Facture	0-1
Sorting and paging parameters						
rechercheFacture ParFournisseur						0-1
	pageResultat tDemandee	Number: page's number of the displayed result	integer	By default, the output is the first page.		0-1
	nbResultats ParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 46 possible values: - typeDemandePaiement - codeFournisseur - typeIdentifiantFournisseur - designationFournisseur - codeServiceFournisseur - nomServiceFournisseur - codeDestinataire - designationDestinataire - codeServiceExecutant - nomServiceExecutant - typeFacture - numeroFacture - dateFacture - dateDepot - montantHT - montantTTC - montantAPayer - Devise - Statut - numeroMarche - numeroBonCommande - NumeroFluxDepot - typeIdentifiantValideur1 - codeValideur1 - raisonSocialeValideur1		0-1

				- nomValideur1		
				- prenomValideur1		
				- DateValidation1		
				- typeIdentifiantValideur2		
				- codeValideur2		
				- raisonSocialeValideur2		
				- nomValideur2		
				- prenomValideur2		
				- DateValidation2		
				- numeroFactureOrigine		
				- modeDepot		
				- coordBancairesFournisseurCleIban		
				- coordBancairesFournisseurCleRib		
				- coordBancairesFournisseurCodeBanque		
				- coordBancairesFournisseurCodePays		
				- coordBancairesFournisseurCompteBancaire		
				- coordBancairesFournisseurNomCb		
				- affactureurCode		
				- affactureurTypeIdentifiant		
				- affactureurRaisonSociale		
				- nomPrenomUtilisateurCreateur		
				Par défaut, le tri est effectué sur le champ "dateDepot".		

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: Number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of invoices to be displayed					
listeFactures			Liste		0-n
	identifiantFactureCPP	Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDemandePaiement	String: payment request's type	varchar(50)	Enumeration with 1 possible value: - FACTURE	1
	codeFournisseur	String: supplier ID	varchar(80)	Functional identifier of the supplier	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
	designationFournisseur	String: designation of the supplier's structure	varchar(201)	This string of characters corresponds to the structure's corporate name or the concatenated name and surname of its deputy.	1
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1

	nomServiceFournisseur	String: supplier's service name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Number: technical identifier of the recipient structure within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure Default value (if empty): "0" (invoicing cas, whose status is BROUILLON [DRAFT] without recipient)	1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET. Default value (if empty): "non renseigné" (invoicing cas, whose status is BROUILLON [DRAFT] without recipient)	0-1
	designationDestinataire	String: recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. Default value (if empty): "non renseigné" (invoicing cas, whose status is BROUILLON [DRAFT] without recipient)	0-1
	idServiceExecutant	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If	0-1

				Service.estPremierService = true, then this attribute is not entered.	
nomServiceExecutant	String: executing service's name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.		0-1
typeFacture	String: invoicing type	varchar(50)	Enumeration with 2 possible values: - AVOIR - FACTURE Default value (if not available): FACTURE		0-1
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]		1
dateFacture	String: invoicing date	date	Date field : AAAA-MM-JJ		0-1
dateDepot	String: Submission date of the invoice	date	Date field : AAAA-MM-JJ		0-1
montantHT	Number: amount excluding tax of the invoice	decimal(19,6)			0-1
montantTTC	Number: tax-included amount of the invoice	decimal(19,6)			0-1
montantAPayer	Number: payable amount of the invoice	decimal(19,6)			0-1
devise	String: currency of the invoice	varchar(3)			1
statut	String: current status of the invoice	varchar(50)			1
dateHeureEtatCourant	Date : date of the invoice current status	date	Date field : AAAA-MM-JJTHH:MM:SS+HH:MM		0-1

	commentaireEtatC ourant	String : comment on the current status	varchar(255)		0-1
	numeroMarche	String: contract number	varchar(50)		0-1
	numeroBonComm ande	String: purchase order number	varchar(50)		0-1
	numeroFluxDepot	String: deposit number of the flow contening the invoice	varchar(25)	This data is available only if the invoice was issued by flow.	0-1
	typeIdentifiantVali deur1	String: id type of the first validator	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
	codeValideur1	String: first validator's id	varchar(80)	Alphanumeric value	0-1
	raisonSocialeValid eur1	String: first validator's corporate name	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
	nomValideur1	String: name of the first validator's deputy	varchar(100)	Informed if TypeIdentifiant = PARTICULIER	0-1
	prenomValideur1	String: surname of the first validator's deputy	varchar(100)	Informed if TypeIdentifiant = PARTICULIER	0-1
	dateValidation1	String: date of validation by the first validator	date	Date field: AAAA-MM-JJ	0-1
	typeIdentifiantVali deur2	String: id type of the second validator	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
	codeValideur2	String: second validator's identifier	varchar(80)	Alphanumeric value	0-1
	raisonSocialeValid eur2	String: second validator's corporate name	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
	nomValideur2	String: name of the second validator's deputy	varchar(100)	Informed if TypeIdentifiant = PARTICULIER	0-1

	prenomValideur2	String: surname of the second validator's deputy	varchar(100)	Informed if TypeIdentifiant = PARTICULIER	0-1
	dateValidation2	String: date of validation by the second validator	date	Date field : AAAA-MM-JJ	0-1
	numeroFactureOrigine	String: original invoice number	varchar(20)	If the attribute TypeFacture is not "AVOIR", then the criteria NumeroFactureOrigine is not saved.	0-1
	modeDepot	String: deposit mode of the invoice	varchar(50)	Enumeration with 10 possible values : - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION	1
	coordBancairesFournisseurCleIban	String: IBAN key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
	coordBancairesFournisseurCleRib	String: RIB key of the supplier's bank detailsRIB key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
	coordBancairesFournisseurCodeBanque	String: bank code of the supplier's bank details	varchar(10)	Alphanumeric value	0-1
	coordBancairesFournisseurCodePays	String: country code of the supplier's bank details	varchar(2)		0-1
	coordBancairesFournisseurCompteBancaire	String: bank account of the supplier's bank details	varchar(11)	Alphanumeric value	0-1
	coordBancairesFournisseurNomCb	String: name of the supplier's bank details	varchar(255)	Uniquely identifies the bank details	0-1
	affactureurCode	String: factor's identifier	varchar(80)		0-1

affactureurTypeIdentifiant	String: factor's id type	varchar(14)	Enumeration with 7 possible values : - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
affactureurRaisonSociale	String: factor's corporate name	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
nomPrenomUtilisateurCreateur	String: description of the user who created the invoice	varchar(201)	This is the concatenated name and surname of the user who created the invoice. The name and surname are separated by a space.	0-1

Error table

Error code	Description	Associated error message
20000	Error on one (at least) transmitted setting	
20001	The user is not « ACTIF » or not connected with the supplier's entity	GDP_MSG_11.006
20002	The research does not return any result	GDP_MSG_11.046
20003	The start date must be previous than the end date.	TRA_MSG_09.007 GFT-CU-01-SER-22 – Rechercher des factures de travaux [Search for work invoices]

2.2.2.6 Recycle invoice

The method recyclerFacture allows to modify the routing data from an invoice in the status « A_Recycler » [To recycle].

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical identifier of the user in the CPP system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
identifiantFactureCPP		Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
destinataire						
destinataire						1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value

This is the recipient's SIRET. | rechercherDestinataire | 1 |
	codeServiceExecutant	String: Service code of the invoice recipient	varchar(100)	Alphanumeric value	rechercherServiceExecutant	0-1
Reference						
reference						0-1
	numeroBonCommande	String: purchase order number	varchar(50)	1) If the recipient is the State, then the system controls that the purchase order exists (if available).

2) If the recipient indicates, in the settings, that the purchase order is required (StructurePublique.gestionNumeroEj = TRUE or StructurePublique.gestionNumeroEJOuCodeService and service code not informed), then the system controls that the | rechercherEngagementJuridique | 0-1 |

			purchase order is informed. 3) In other case, thses settings are not controlled.		
Comments					
commentaire		String: free comment field	text(2000)		0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
identifiantFactureCPP	Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
numeroFacture	String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
statutFacture	String: current status of the invoice	varchar(50)		1
dateDepot	String: Submission date of the invoice	date	Date field : AAAA-MM-JJ	1

Error table

Error code	Description	Associated error message
20000	The payment request does not exist.	GDP_MSG_11.008
20001	The user has not any required authorization in order to submit the request.	GDP_MSG_11.005
20002	The status of the payment request must be "A_RECYCLER" [TO RECYCLE]	GDP_MSG_01.006
20003	The recipient service {0} does not exist. {0} = recipient service code, informed in the settings	GFT_MSG_01.032
20004	Commitment number required for the recipient structure.	GFT_MSG_01.042
20005	Commitment number required for the recipient service.	GFT_MSG_01.041
20006	Recipient service or commitment number required for the recipient structure.	GFT_MSG_01.039

20007	Recipient service required for the recipient structure.	GFT_MSG_01.038
20008	The commitment number {0} does not exist.	GFT_MSG_01.043 {0} = numeroEngagement [commitment number]
20009	Private structures are not able to select the recipient service FACTURES_PUBLIQUES. Please modify the entry.	GDP_MSG_11.072
20010	The identifier {0} of the payment request does not correspond to a type Facture [Invoice].	GDP_MSG_11.065 {0} = supplied identifier of the structure
20011	The structure {0} does not use the application « Demandes de paiement » [Payment request], it cannot be linked to a payment request.	GDP_MSG_01.014 {0} = identifier (Cf. TRA-CU-00-RGD-40) « – » designation of the structure (Cf. TRA-CU-00-RGD-37)
20012	The recipient service {0} does not correspond to the recipient structure {1}.	GFT_MSG_01.033 {0} = idTechniqueServiceDestinataire [technical identifier of the recipient service] {1} = idTechniqueStructureDestinataire [technical identifier of the recipient structure]
20013	The recipient structure is not active ; then, it cannot receive any invoice.	GDP_MSG_11.070
20014	The recipient service {0} is not active.	GFT_MSG_01.036 {0} = idTechniqueServiceDestinataire [technical identifier of the recipient service]

2.2.3 Process a received invoice

This chapter shows input, output and error tables for the following methods:
- Consult invoice by recipient
- Search invoice to be processed by recipient
- Search invoice by recipient
- Process received invoice

2.2.3.1 Consult invoice by recipient

The method consulterFactureParRecipiendaire allows to consult data from a received invoice.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1

identifiantFactureCPP		String: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
codeLangue		String: code of the language used in the multilingual descriptions	varchar(5)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1
nbResultatsMaximum		Number: Maximum number of results that can be seen for a research	integer	By default, the service returns no more than 200 results.	0-1
Search parameters of VAT summary lines					
rechercheligneTvaRecap					0-1
	pageResultatDemandeeListeRecapitulatifTVA	Number: number of the page of the VAT summary lines results to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsParPageListeListeRecapitulatifTVA	Number: Number of results per page that can be returned by the research of VAT summary lines	integer	By default, the service returns 10 results per page.	0-1
	triSensListeRecapitulatifTVA	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListeRecapitulatifTVA	String: reference column of the sorting	–	Enumeration with 6 possible values: - ligneTvaTauxRefCode - ligneTvaTauxRefLibelle - ligneTvaTauxRefValeur - ligneTvaTauxManuel - ligneTvaMontantBaseHtParTaux - ligneTvaMontantTvaParTaux By default, the sorting is performed on the field "ligneTvaMontantTvaParTaux".	0-1
Research parameters of the list of attachments					
recherchePj					0-1
	pageResultatDemandeeListePieceJointe	Number: number of the attachment's list results page to be displayed	integer	By default, the output is the first page.	0-1

	nbResultatsParPageListePieceJointe	Number: Number of results per page that can be returned by the research of attachment list	integer	By default, the service returns 10 results per page.	0-1
	triSensListePiecesJointes	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListePiecesJointes	String: reference column of sorting		Enumeration with 5 possible values: - pieceJointeTypeCode - pieceJointeTypeLibelle - pieceJointeDesignation - pieceJointeNumeroLigneFacture - pieceJointeExtension By default, the sorting is performed on the field "designation".	0-1
Research parameters of invoicing lines					
rechercheLignePoste					0-1
	pageResultatDemandeeLignesPoste	Number: number of the invoicing lines' list results page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsParPageLignesPoste	Number: Number of results per page that can be returned by the research of invoice lines	integer	By default, the service returns 10 results per page.	0-1
	triSensListeLignesPoste	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1

triColonneList eLignesPoste	String: reference column of the sorting	-	Enumeration with 13 possible valuespossible values: - lignePosteNumero - lignePosteReference - lignePosteDenomination - lignePosteQuantite - lignePosteCode - lignePosteLibelle - lignePosteMontantUnitaireHT - lignePosteMontantRemiseHT - lignePosteTauxTva - lignePosteTauxTvaManuel - lignePosteMontantHtApresRemise - lignePosteMontantTva - lignePosteMontantTtcApresRemis e By default, the sorting is performed on the field "lignePosteNumero".	0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
facture							1
	identifiantFactureCPP			Number: technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	numeroFacture			String: invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	statutFacture			String: current status of the invoice	varchar(50)	'Enumeration with 11 possible values (for the received invoices) - EN_COURS_ACHEMINEMENT [BEING DELIVERED] - MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - A_RECYCLER [TO RECYCLE] - SUSPENDUE [PAUSED] - REJETEE [REJECTED] - MANDATEE [MANDATED] - MISE_EN_PAIEMENT [PAYMENT] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - DEPOSEE [DEPOSITED] - COMPLETEE [COMPLETED]	1

				String: deposit mode of the invoice	varchar(15)	Enumeration with 10 possible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION	1
modeDepot							
					Recipient		
	destinataire						1
		idDestinataire		Number: technical identifier of the recipient in CPP 2017	integer		1
		codeDestinataire		String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
		libelleDestinataire		String: description of the recipient	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
		idServiceExecutant		Number: technical identifier of the recipient service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1

		codeService eExecutant		String: Service code of the invoice recipient	varchar(100)	Alphanumeric value If Service.estPremie rService = true, then this attribute is not entered.	0-1
		libelleServi ceExecuta nt		String: description of the recipient service	varchar(255)	If Service.estPremie rService = true, then this attribute is not entered.	0-1
		adresseDe stinataireI d		Number: technical identifier of the address of the recipient or its executing service in the CPP 2017 system	integer	If an executing service is entered in the invoice, then the system gets the informations about the address of the executing service. Otherwise, if a recipient (except the State) is entered in the invoice, then the system gets the informations of the recipient address. Otherwise, the address is empty.	0-1
		adresseDe stinataireD etail		String: detail of the recipient's (or its executing service's) address	varchar(100)		0-1
		adresseDe stinataireC omplement 1		String: address' first complement about the recipient or its executing service	varchar(100)		0-1
		adresseDe stinataireC omplement 2		String: address' second complement about the recipient or its executing service	varchar(100)		0-1
		adresseDe stinataireC odePostal		String: postal code of the recipient or its executing service	varchar(10)		0-1
		adresseDe stinataireVi lle		String: city of the recipient or its executing service	varchar(50)		0-1
		adresseDe stinataireC odePays		String: country code of the recipient or its executing service	varchar(2)		0-1
		adresseDe stinataireLi bellePays		String: country description of the recipient or the executing service	varchar(100)		0-1
				fournisseur			
	fournisseur						1

		idFournisseur		Number: technical identifier of the supplier in the CPP 2017 system	integer		1
		typeIdentifiantFournisseur		String: identifier type of the supplier	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
		codeFournisseur		String: supplier's identifier	varchar(80)	Alphanumeric value	1
		designationFournisseur		String: designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
		idServiceFournisseur		Number: technical ID of the supplier's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
		codeServiceFournisseur		String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
		libelleServiceFournisseur		String: supplier's service description	varchar(255)	If Service.estPremierService = true,	0-1

							then this attribute is not entered.	
		adresseFournisseurId		Number: technical id of the supplier's address in CPP 2017	integer			1
		adresseFournisseurDetail		String: detail of the supplier's address	varchar(100)			1
		adresseFournisseurComplement1		String: first complement of the supplier's address	varchar(100)			0-1
		adresseFournisseurComplement2		String: second complement of the supplier's address	varchar(100)			0-1
		adresseFournisseurCodePostal		String: postal code of the supplier's address	varchar(10)			1
		adresseFournisseurVille		String: city of the supplier's address	varchar(50)			1
		adresseFournisseurCodePays		String: country code of the supplier's address	varchar(2)			1
		adresseFournisseurLibellePays		String: country description of the supplier's address	varchar(100)			1
		numeroRcsFournisseur		String: RCS tax identification of the supplier	varchar(100)	Alphanumeric value		0-1
		coordBancairesFournisseurCleIban		String: IBAN key of the supplier's bank details	varchar(2)	Alphanumeric value		0-1
		coordBancairesFournisseurCleRib		String: RIB key of the supplier's bank details	varchar(2)	Alphanumeric value		0-1
		coordBancairesFournisseurCodeBanque		String: bank code of the supplier's bank details	varchar(5)	Alphanumeric value		0-1
		coordBancairesCodeGuichet		String: sort code of the supplier's bank details	varchar(5)	Alphanumeric value		0-1
		coordBancairesBicSwift		String: BIC/SWIFT number of the	varchar(11)	Alphanumeric value		0-1

			supplier's bank details			
	coordBancairesFournisseurCodePays		String: country code of the supplier's bank details	varchar(2)		0-1
	coordBancairesFournisseurCompteBancaire		String: bank account of the supplier's bank details	varchar(30)	Alphanumeric value	0-1
	coordBancairesFournisseurId		Number: ID of the supplier's bank details	integer		0-1
	coordBancairesFournisseurType		String: type of the supplier's bank details	varchar(4)	Enumeration with 2 possible values: - IBAN - RIB	0-1
	coordBancairesFournisseurLibelle		String: label of the supplier's bank details	varchar(255)	Alphanumeric value	0-1
	affactureur					0-1
		affactureurId	Number: technical identifier of the factor in the CPP 2017 system	integer		0-1
		affactureurCode	String: factor's identifier	varchar(18)	Alphanumeric value	0-1
		affactureurTypeIdentifiant	String: factor's id type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
		affactureurRaisonSociale	String: factor's corporate name	varchar(100)		0-1
		affactureurCodePays	String: factor's country code	varchar(2)		0-1
Invoicing frameworkInvoicing framework						
	cadreDeFacturation					1

		codeCadre Facturation		String: Invoicing frameworkinvoicing framework code	varchar(50)	Enumeration CadreFacturation (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	1
		idValideur1		Number: technical identifier of the first validator in the CPP 2017 system	integer		0-1
		typeIdentif iantValideu r1		String: first validator's identifier type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
		codeValide ur1		String: first validator's identifier	varchar(80)	Alphanumeric value	0-1
		raisonSoci aleValideur 1		String: first validator's corporate name	varchar(10 0)	Informed if typeIdentifiant <> PARTICULIER	0-1
		nomValide ur1		String: name of the first validator's deputy	varchar(10 0)	Informed if typeIdentifiant = PARTICULIER	0-1
		prenomVal ideur1		String: surname of the first validator's deputy	varchar(10 0)	Informed if typeIdentifiant = PARTICULIER	0-1
		dateValidat ion1		String: date of the validation by the first validator	date	Date field: AAAA-MM-JJ	0-1
		idValideur2		Number: technical identifier of the second validator in the CPP 2017 system	integer		0-1
		typeIdentif iantValideu r2		String: second validator's id type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE	0-1

						- PARTICULIER - AUTRE	
		codeValide ur2		String: second validator's id	varchar(80)	Alphanumeric value	0-1
		raisonSoci aleValideur 2		String: second validator's corporate name	varchar(10 0)	Informed if typeIdentifiant <> PARTICULIER	0-1
		nomValide ur2		String: name of the second validator's deputy	varchar(10 0)	Informed if typeIdentifiant = PARTICULIER	0-1
		prenomVal ideur2		String: surname of the second validator's deputy	varchar(10 0)	Informed if typeIdentifiant = PARTICULIER	0-1
		dateValidat ion2		String: date of the validation by the second validator	date	Date field: AAAA-MM-JJ	0-1
		idMoe		Number: technical identifier of the Project Manager in the CPP 2017 system	integer		0-1
		typeIdentif iantMoe		String: Project Manager's identifier type	varchar(30)	Alphanumeric value	0-1
		identifiant Moe		String: Project Manager's identifier	varchar(80)		0-1
		raisonSoci aleMoe		String: corporate name of the Project Manager	varchar(20 1)	Informed if TypeIdentifiantMoe = PARTICULIER and DemandePaiement. etatCourant=BROUI LLON [DRAFT]	0-1
		nomMoe		String: name of the Project Manager's deputy	varchar(10 0)	Informed if TypeIdentifiantMoe = PARTICULIER and DemandePaiement. etatCourant=BROUI LLON [DRAFT]	0-1
		prenomMo e		String: surname of the Project Manager's deputy	varchar(10 0)	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremier Service = true, then this attribute is not entered.	0-1

		idServiceMoe		Number: technical identifier of the Project Manager's service in the CPP 2017 system	integer	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
		codeServiceMoe		String: code of the Project Manager's service	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		nomServiceMoe		String: label of the Project Manager's service	varchar(100)	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		idMoa		Number: technical identifier of the Contracting Authority in the CPP 2017 system	integer	Alphanumeric value	0-1
		identifiantMoa		String: identifier of the Contracting Authority	varchar(80)		0-1
		raisonSocialeMoa		String: corporate name of the Contracting Authority	varchar(201)	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremier Service = true, then this attribute is not entered.	0-1
		idServiceMoa		Number: technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
		codeServiceMoa		String: service code of the Contracting Authority	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		nomServiceMoa		String: Contracting Authority's service description	varchar(100)		0-1
Preceding piece							

	piecePrece dente					
		cadreFactu rationPiece Precedente		String: invoicing framework of the preceding piece	varchar(50)	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		idPiecePrec edente		Number: technical identifier of the preceding piece	integer		0-1
		numeroPie cePrecede nte		String: number of the preceding piece	varchar(20)	Alphanumeric value	0-1
		idDestinata irePiecePre cedente		Number: technical identifier of the recipient of the preceding piece in the CPP 2017 system	integer		0-1
		identifiant Destinatair ePiecePrec edente		String: identifier of the recipient of the preceding piece in the CPP 2017 system	varchar(14)	Informed if TypeIdentifiantMo e = PARTICULIER and DemandePaiemen t.etatCourant=BR OUILLON [DRAFT]	0-1
		raisonSoci aleDestinat airePiecePr ecedente		String: corporate name of the recipient of the preceding piece in the CPP 2017 system	varchar(99)	Informed if TypeIdentifiantMo e = PARTICULIER and DemandePaiemen t.etatCourant=BR OUILLON [DRAFT]	0-1
		idServiceE xecutantPi ecePrecede nte		Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremie rService = true, then this attribute is not entered.	0-1
		codeServic eExecutant PiecePrece dente		String: service code of the recipient of the preceding piece	varchar(10 0)	Alphanumeric value If Service.estPremie rService = true, then this attribute is not entered.	0-1

		nomServiceExecutantPiecePrecedente		String: description of the recipient service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
				Following piece			
	pieceSuivante					These parameters are displayed only if there is a following piece, linked to the current work invoice.	0-1
		cadreFacturationPieceSuivante		String: invoicing framework mode of the following piece	varchar(50)		0-1
		idPieceSuivante		Number: technical identifier of the following piece in the CPP 2017 system	integer		0-1
		numeroPieceSuivante		String: number of the following piece	varchar(20)		0-1
				Références			
	references						1
		dateFacture		String: invoicing date in the supplier's IS	date	Date field: AAAA-MM-JJ	0-1
		dateDepot		String: Submission date of the invoice	date	Date field: AAAA-MM-JJ	0-1
		codeDeviseFacture		String: currency code of the invoice	varchar(5)		1
		libelleDeviseFacture		String: currency description of the invoice	varchar(50)	Multilingual description:the returned description depends on the requested language in the service parameters.	1
		typeFacture		String: invoice type	varchar(50)	Enumeration with 2 possible values: - AVOIR	1

						- FACTURE	
		typeFactureTravaux		String: work invoice type	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT_TRAVAUX - PROJET_DECOMPTE_MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_FINAL - PROJET_DECOMPTE_GENERAL - PROJET_DECOMPTE_GENERAL_PROCEDURE_TACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DECOMPTE_GENERAL_DEFINITIF_TACITE - DECOMPTE_GENERAL_DEFINITIF_PROCEDURE_TACITE	0-1
		typeTva		String: VAT type	varchar(50)	Enumeration with 4 possible values: -	1

						TVA_SUR_DEBIT - TVA_SUR_ENCAISSEMENT - EXONERATION - SANS_TVA	
		motifExonerationTva		String: reason code for VAT exemption	varchar(5)	Entered only if the VAT type is « EXONERATION ».	0-1
		libelleMotifExonerationTva		String: description of the reason for VAT exemption	varchar(50)	Entered only if the VAT type is « EXONERATION ». Multilingual description:the returned description depends on the requested language in the service parameters.	0-1
		numeroMarche		String: contract number	varchar(50)		0-1
		numeroBonCommande		String: purchase order number	varchar(50)		0-1
		numeroFactureOrigine		String: original invoice number	varchar(20)		0-1
		modePaiement		String: payment mean	varchar(11)	Enumeration with 6 possible values: - ESPECE - CHEQUE - PRELEVEMENT - VIREMENT - AUTRE - REPORT	0-1
		dateCreationFacture		String: creation date of the invoice	date	Date field : AAAA-MM-JJ HH:MI	1
		dateEcheancePaiement		String: payment date of the invoice, entered by the supplier	date	Date field : AAAA-MM-JJ	0-1

		TailleTotale ePiecesJoin tes		String: sum of the size of the attachments of the invoice (in Mb)	decimal(10,3)		0-1
		numeroDp Mandat		String: number of the payment request in the Chorus/Helios system	varchar(31)		0-1
Récapitulatif de TVA						
	recapitulati fDeTva						0-1
		ligneTva			List		0-n
			ligneTvaTa uxRefId	Number: identifier of the referenced VAT rate	integer		0-1
			ligneTvaTa uxRefCode	String: Referenced VAT rate's code	varchar(6)		0-1
			ligneTvaTa uxRefLibell e	String: description of the referenced VAT rate	varchar(50)		0-1
			ligneTvaTa uxRefValeu r	Number: value of the referenced VAT rate	decimal(5,2)		0-1
			ligneTvaTa uxManuel	Number: manual data entry of the VAT rate	decimal(5,2)		0-1
			ligneTvaMo ntantBase HtParTaux	Number: basis amount without tax per tax rate	decimal(19,6)		1
			ligneTvaMo ntantTvaPa rTaux	Number: total tax amount per tax rate	decimal(19,6)		1
		pageCoura nteLignesR ecapitulati vesTVA		Number: number of the current page	integer		0-1
		pagesLigne sRecapitul ativesTVA		Number: Number of pages returned by the research	integer		0-1
		nbResultat sParPageLi gnesRecap itulativesT VA		Number: Number of results per page	integer		0-1
		totalLignes Recapitulat ivesTVA		Number: Number of results returned by the research	integer		0-1

			Montant Total				
	montantTotal						1
		montantHtTotal		Number: Tax-free amoount of the invoice after discount	decimal(19,6)		1
		montantTVA		Number: VAT amount of the invoice after discount	decimal(19,6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the result of the following operation: Facture.montantTtcAvantRemisePied - DemandePaiement.montantHtGlobal	1
		montantTtcAvantRemiseGlobalTTC		Number: Tax included amount of the invoice before discount	decimal(19,6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the result of the following operation : DemandePaiement.montantHtGlobal + DemandePaiement.montantTvaGlobal	1
		montantRemiseGlobaleTTC		Number: tax-included global allowance amount	decimal(19,6)		0-1
		motifRemiseGlobaleTTC		String: reason for tax-included global allowance amount	text(1024)		0-1
		montantTtcTotal		Number: tax-included global amount of the	decimal(19,6)	If the registered amount is nil (ie in some	1

				invoice after allowance		cases of work invoices), then the SXP returns the result of the following operation: DemandePaiement.montantHt Global + DemandePaiement.montantTvaGlobal - Facture.montantRemiseGlobaleTtc	
		montantAPayer		Number: payable amount of the invoice	decimal(19,6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the following data: DemandePaiement.montantTtcGlobal	1
				Main attachment			
	pieceJointePrincipale						0-1
		idLiaisonPieceJointePrincipale		Number: technical identifier of the link between the invoice and the main attachment in the system	integer		1
		idPieceJointePrincipale		Number: technical identifier of the main attachment in the system	integer		1
				List of attachments			
	listeDesPiecesJointes						0-1
		pieceJointe			Liste		0-n
			pieceJointeTypeCode	String: code of the attachment's type	varchar(30)		1
			pieceJointeTypeLibelle	String: description of the attachment's type	varchar(50)		1

			pieceJointe Designation	String: free description of the attachment	varchar(100)		1
			pieceJointe NumeroLig neFacture	Number: number of the invoicing line to which the additional attachment may refer	integer		0-1
			pieceJointe IdLiaison	Number: technical identifier of the link between the invoice and the attachment in the system	integer		1
			pieceJointe Id	Number: Technical ID of the attachment in the system	integer		1
			pieceJointe Extension	String: extension of the attachment	varchar(5)		1
		pageCoura nteListePie cesJointe		Number: number of the current page	integer		0-1
		pagesListe PiecesJoint e		Number: Number of pages returned by the research	integer		0-1
		nbResultat sParPageLi stePiecesJ ointe		Number: Number of results per page	integer		0-1
		totalListePi ecesJointe		Number: Number of results returned by the research	integer		0-1
Invoicing lines							
	lignesDePo ste						0-1
		lignePoste			Liste		0-n
			lignePoste Numero	Number: number of the invoicing line	integer		1
			lignePoste Reference	String: description of the invoicing line's reference	varchar(40)		0-1
			lignePoste Denominat ion	String: designation of the invoicing line	varchar(40)		0-1

			lignePoste Quantite	Number: quantity of the invoicing line	decimal(19,6)		1
			lignePoste Unite	Number: unit of the invoicing line	varchar(50)		0-1
			lignePoste MontantUn itaireHT	Number: unit tax-free amount of the invoicing line	decimal(19,6)		1
			lignePoste MontantRe miseHT	Number: tax-free rebateamount of the invoicing line	decimal(19,6)		0-1
			lignePoste TauxTva	String: VAT rate code of the invoicing line	varchar(6)		0-1
			lignePoste TauxTvaM anuel	Number: manual data entry of the invoicing line's VAT rate	decimal(5,2)		0-1
			lignePoste MontantHt ApresRemi se	Number: tax-free amount after rebate of the invoicing line	decimal(19,6)		1
			lignePoste MontantTv a	Number: VAT amount of the invoicing line	decimal(19,6)		1
			lignePoste MontantTtc ApresRemi se	Number: tax-included amount after rebate of the invoicing line	decimal(19,6)		1
		pageCoura nteLignesP oste		Number: number of the current page	integer		0-1
		pagesLigne sPoste		Number: Number of pages returned by the research	integer		0-1
		nbResultat sParPageLi gnesPoste		Number: Number of results per page	integer		0-1
		totalLignes Poste		Number: Number of results returned by the research	integer		0-1
				commentaire			
	commentai re			String: free comment field	text(2000)		0-1

Error table

Error code	Description	Associated error message
20000	Unknown payment request	GDP_MSG_11.008

20001	To view an invoice from received invoices, the attachment between the user and the recipient service or the destination structure must be valid ("VALIDE"). In addition, the user must be active ("ACTIF").	GDP_MSG_11.005

2.2.3.2 Search invoice to be processed by recipient

The method rechercherFactureATraiterParRecipiendaire allows to display invoices which can be processed by the recipient according to their statuses (modifiyng the invoice's status).

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
idStructure		Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure If IdStructure is filled, the system retrieves the invoices list and the work invoices list for which : - the recipient corresponds to the filled structure OR the recipient corresponds to one of the structures to which the user is attached - the status is : - MISE_ A_DISPOSITION - COMPLETEE [COMPLETED]	RecupererStructuresActivesPourDestinataire	0-1
Sorting and paging parameters						
parametreRechercheFactureATraiterParRecipiendaire						0-1
	nbResultatsMaximum	Number: Maximum number of results that can be seen for a research	integer	By default, the service returns no more than 200 results.		0-1

	pageResulta tDemandee	Number: number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultats ParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(1 0)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 22 possible values: - typeDemandePaiement - codeFournisseur - typeIdentifiantFournisseur - designationFournisseur - codeServiceFournisseur - nomServiceFournisseur - codeDestinataire - designationDestinataire - codeServiceExecutant - nomServiceExecutant - typeFacture - typeFactureTravaux - numeroFacture - dateFacture - dateDepot - montantHT - montantTTC - montantAPayer - Devise - Statut - numeroMarche - numeroBonCommande By default, the sorting is performed on the field "dateDepot".		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
pageCourante	pageCourante	Number: number of the current page	integer		0-1
pages	pages	Number: Number of pages returned by the research	integer		0-1
nbResultatsParPage	nbResultatsParPage	Number: number of results per page	integer		0-1
total	total	Number: Number of results returned by the research	integer		0-1
List of invoices to be processed					
listeFactures			Liste		0-n
	idFacture	Number: technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDemandePaiement	String: type of payment request	varchar(50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	1
	codeFournisseur	String: supplier ID	varchar(80)	Supplier functional identifier	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
	designationFournisseur	String: designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	1
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceFournisseur	String: supplier's service name	varchar(255)	If Service.estPremierServi	0-1

			ce = true, then this attribute is not entered.	
	idDestinataire	Number: technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
	designationDestinataire	String: recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	1
	idServiceExecutant	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutant	String: executing service's name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	typeFacture	String: invoice type	varchar(50)	2 possible values: - AVOIR - FACTURE Default value (if unfilled): FACTURE	0-1
	typeFactureTravaux	String: work invoice type	varchar(50)	8 possible values: - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE	0-1

				- DP_SOUSTRAITANT - PROJET_DECOMPTE_GE NERAL_CADRE_TACITE - DECOMPTE_GENERAL_ DEFINITIF_TACITE - DECOMPTE_GENERAL_ DEFINITIF_CADRE_TAC ITE	
	numeroFacture	String: invoice number of work invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	dateFacture	String: invoicing date (invoice or work invoice)	date	Date format: AAAA-MM-JJ	0-1
	dateDepot	String: Submission date of the invoice	date	Date format: AAAA-MM-JJ	0-1
	montantHT	Number: amount excluding tax of the invoice or the work invoice	decimal(19,6)		1
	montantTTC	Number: tax-included amount of the invoice or the work invoice	decimal(19,6)		1
	montantAPayer	Number: payable amount of the invoice or the work invoice	decimal(19,6)		1
	devise	String: currency of the invoice or the work invoice	varchar(5)		1
	statut	String: current status of the invoice or the work invoice	varchar(50)		1
	numeroMarche	String: contract number	varchar(50)		0-1
	numeroBonCommande	String: purchase order number	varchar(50)		0-1
	factureTelechargeeParDestinataire	String: indicating if the invoice is already downloaded by a user of the recipient structure	varchar(5)	Two possible values: - true - false If	1

				FactureTelechargeePar Destinataire = "true", there is at least one download action on the invoice, performed by a user attached to the **recipient structure** of the invoice. If FactureTelechargeePar Destinataire = "false", there is no download action on the invoice, performed by a user who is attached to the **recipient structure** of the invoice.	
	codeMOE	String: projet manager identifier	varchar(80)	Supplier functional identifier	0-1
	typeIdentifiantMOE	String: projet manager identifier type	varchar(14)	7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
	designationMOE	String: designation of the project manager structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	0-1
	codeMOA	String: contracting authority identifier	varchar(80)	Supplier functional identifier	0-1
	typeIdentifiantMOA	String: contracting authority identifier type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
	designationMOA	String: designation of the contracting authority	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name	0-1

				and surname of its deputy.	

Error table

Error code	Description	Associated error message
20000	No result found	GDP_MSG_11.046
20001	The user does not have the necessary authorisations to act on the request for	GDP_MSG_11.005

2.2.3.3   Search invoice by recipient

The method rechercherFactureParRecipiendaire allows to display the received invoices matching the search parameters. It is possible to display invoices according to their state (downloaded, undownloaded)

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateur Courant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
typeDeman dePaiement		String: type of payment request	varchar (50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	RecupererT ypeDemand ePaiement	0-1
idDestinatai re		Number: technical identifier of the recipient in the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	RecupererSt ructuresActi vesPourDes tinataire	0-1
idServiceEx ecutant		Number: technical identifier of the recipient's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	RecupererS ervicesParSt ructure	0-1
numeroFact ure		String: invoice number or work invoice number	varchar (20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]		0-1
periodeDate DepotDu		String: start date of the submission period	date	Date format: AAAA-MM-JJ		0-1

periodeDate DepotAu		String: end date of the submission period	date	Date format: AAAA-MM-JJ		0-1
listeTypeFac ture		String: list of invoicing types	varchar (50) (liste)	Available if Type DemandePaiement = FACTURE 2 possible values: - AVOIR - FACTURE		0-n
listeTypeFac tureTravaux		String: list of work invoicing types	varchar (50) (liste)	Available if Type DemandePaiement = FACTURE_TRAVAUX 8 possible values: - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_GENERA L - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DP_SOUSTRAITANT - PROJET_DECOMPTE_GENERA L_CADRE_TACITE - DECOMPTE_GENERAL_DEFINI TIF_TACITE - DECOMPTE_GENERAL_DEFINI TIF_CADRE_TACITE		0-n
listeFournis seurs			list			0-n
	idFournisse ur	Number: technical identifier of the supplier in CPP 2017	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	Rechercher Structure	1
	listeIdServic e	Number: list of technical identifiers of the supplier service in CPP 2017	integer (list)		Rechercher ServiceStru cture	0-n
rechercheSi renFourniss eur		Research flag on the recipient SIREN number	boolea n	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
idStructure Valideur		Number: technical identifier of the	integer		Rechercher Structure	0-1

		first or second validator's structure				
cadreFacturation		String: Invoicing frameworkinvoicing framework code	varchar (50)	4 possible values (for invoices): - A1_FACTURE_FOURNISSEUR - A2_FACTURE_FOURNISSEUR _DEJA_PAYEE - A9_FACTURE_SOUSTRAITANT - A12_FACTURE_COTRAITANT 12 possible values (for work invoices): - A5_ETAT_ACOMPTE_FOURNI SSEUR - A6_ETAT_ACOMPTE_VALIDE_ FOURNISSEUR - A8_DECOMPTE_GENERAL_SI GNE_FOURNISSEUR - A10_DP_DE_SOUSTRAITANT_ TRAVAUX - A15_ETAT_ACOMPTE_MOE - A16_ETAT_ACOMPTE_VALIDE _MOE - A17_PROJET_DECOMPTE_GE NERAL_MOE - A19_ETAT_ACOMPTE_VALIDE _MOA - A22_PROJET_DECOMPTE_GE NERAL_CADRE_TACITE - A23_DECOMPTE_GENERAL_D EFINITIF_TACITE - A24_DECOMPTE_GENERAL_D EFINITIF_TACITE - A25_DECOMPTE_GENERAL_D EFINITIF_CADRE_TACITE	RecupererCadreFacturation	0-1

statutCoura nt		String: list of statuses for invoices or works invoices, to which the search relates	varchar (50) (liste)	It is possible to precise one or several status(es). If no status is precised, there is no filter on the statuses.The status must be equal to one of the following statuses : MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] SUSPENDUE [PAUSED] COMPLETEE [COMPLETED] MANDATEE [MANDATED] REJETEE [REJECTED] MISE_EN_PAIEMENT [PAYMENT] COMPTABILISEE [ACCOUNTED] MISE_A_DISPOSITION_COMP TABLE [AVAILABLE TO ACCOUNTANT] SERVICE_FAIT [SERVICE RENDERED] PRISE_EN_COMPTE_DESTINA TAIRE TRANSMISE_MOA E • MISE_A_DISPOSITION MOE	RecupererEt atParTypeD emandePaie ment	0-n
PeriodeDate HeureEtatC ourantDu		Date : start date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM		0-1
PeriodeDate HeureEtatC ourantAu		Date : end date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM		0-1
periodeDate FactureDu		String: start date of the invoicing period	date	Date format: AAAA-MM-JJ		0-1
periodeDate FactureAu		String: end date of the invoicing period	date	Date format: AAAA-MM-JJ		0-1
montantHT Min		Number: minimum tax-free amount	decimal (19,6)			0-1
montantHT Max		Number: maximum tax-free amount	decimal (19,6)			0-1
montantTTC Min		Number: minimum tax included amount	decimal (19,6)			0-1

montantTTC Max		Number: maximum ta included amount	decimal (19,6)			0-1
montantApa yerMin		Number: minimum payable amount of the invoice	decimal (19,6)			0-1
montantApa yerMax		Number: maximum payable amount of the invoice	decimal (19,6)			0-1
numeroMar che		String: contract number	varchar (50)			0-1
numeroBon Commande		String: purchase order number	varchar (50)		Rechercher Engagemen tJuridique	0-1
factureTelec hargeeParD estinataire		String: indicating if the invoice is already downloaded by a user of the recipient structure	boolea n	Enumeration with 2 possible values: - true - false If FactureTelechargeeParDestin ataire = "true", there is at least one download action on the invoice, performed by a user attached to the **recipient structure** of the invoice. If FactureTelechargeeParDestin ataire = "false", there is no download action on the invoice, performed by a user who is attached to the **recipient structure** of the invoice.		0-1
Sorting and paging parameters						
paramRech erche						0-1
	pageResulta tDemandee	Number: number of the results page to be displayed	integer	By default, the output is the first page.		0-1

	nbResultats ParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 23 possible values: - typeDemandePaiement - codeFournisseur - typeIdentifiantFournisseur - fournisseur - codeServiceFournisseur - nomServiceFournisseur - codeDestinataire - destinataire - codeServiceExecutant - nomServiceExecutant - typeFacture - typeFactureTravaux - numeroFacture - dateFacture - dateDepot - montantHT - montantTTC - montantAPayer - Devise - Statut - numeroMarche - numeroBonCommande - FactureTelechargeeParDestinataire By default, the sorting is performed on the field "dateDepot".		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
pageCourante		Number: number of the current page	integer		0-1
pages		Number: Number of pages returned by the research	integer		0-1
nbResultatsParPage		Number: number of results per page	integer		0-1
total		Number: Number of results returned by the research	integer		0-1
List of invoices to display					
listeFactures			Liste		0-n
	idFacture	Number: technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDemandePaiement	String: type of payment request	varchar(50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	1
	codeFournisseur	String: supplier ID	varchar(80)	Supplier's functional ID	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
	designationFournisseur	String: designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this	0-1

				attribute is not entered.	
	nomServiceFournisseur	String: supplier's service name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Number: technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	1
	codeDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
	designationDestinataire	String: recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	idServiceExecutant	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutant	String: executing service's name	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	typeFacture	String: invoice type	varchar(50)	Enumeration with 2 possible values: - AVOIR - FACTURE	0-1
	typeFactureTravaux	String: work invoice type	varchar(50)	Available if Type DemandePaiement = FACTURE_TRAVAUX	0-1

				Enumeration with 8 possible values: - ETAT_ACOMPTE - ETAT_ACOMPTE_VALI DE - PROJET_DECOMPTE_ GENERAL - DECOMPTE_GENERAL _SIGNE - DP_SOUSTRAITANT - PROJET_DECOMPTE_ GENERAL_CADRE_TA CITE - DECOMPTE_GENERAL _DEFINITIF_TACITE - DECOMPTE_GENERAL _DEFINITIF_CADRE_T ACITE	
	numeroFacture	String: number of the invoice/work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	dateFacture	String: invoicing date (invoice or work invoice)	date	Date format: AAAA-MM-JJ	0-1
	dateDepot	String: submission date of the invoice	date	Date format: AAAA-MM-JJ	0-1
	montantHT	Number: Amount excluding tax of the invoice or the work invoice	decimal(19,6)		1
	montantTTC	Number: tax-included amount of the invoice or the work invoice	decimal(19,6)		1
	montantAPayer	Number: payable amount of the invoice or the work invoice	decimal(19,6)		1

	devise	String: currency of the invoice or the work invoice	varchar(5)		1
	statut	String: current status of the invoice or the work invoice	varchar(50)	The status should not be equal to one of the following statuses: • BROUILLON [DRAFT] • A_VALIDER_1 [TO VALIDATE 1] • ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] • ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] • REFUSEE_1 [REFUSED 1] • VALIDEE_1 [VALIDATED 1] – • A_VALIDER_2 [TO VALIDATE 2] • ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] • ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] • REFUSEE_2 [REFUSED 2] • VALIDEE_2 [VALIDATED 2] • A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER] • ERREUR_DE_MOE [ERROR ON PROJECT MANAGER]	1

				• REFUSEE_MOE [REFUSED BY PROJECT MANAGER] • MISE_A_DISPOSITIO N_MOE [AVAILABLE TO PROJECT MANAGER] • PRISE_EN_COMPTE_ MOE [TAKEN IN ACCOUNT BY PROJECT MANAGER] • A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY] • ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY] • REFUSEE_MOA [REFUSED BY CONTRACTING AUTHORITY] • A_ASSOCIER_FOURNI SSEUR [TO ASSOCIATE WITH SUPPLIER] • REFUSEE_FOURNISSE UR [REFUSED BY SUPPLIER] • A_COMPLETER [TO COMPLETE] • MISE_A_DISPOSITIO N MOE	
	dateHeureEtatCou rant	Date : date of the invoice current status	date	Date field : AAAA-MM-JJTHH:MM:SS+HH:M M	0-1
	commentaireEtatC ourant	String : comment on the current status	varchar(255)		0-1
	numeroMarche	String: contract number	varchar(50)		0-1
	numeroBonComm ande	String: purchase order number	varchar(50)		0-1
	factureTelecharge eParDestinataire	Boolean: indicating if the	boolean	Enumeration avec 2 possible values:	1

		invoice is already downloaded by a user of the recipient structure		- true - false If FactureTelechargeePaRDestinataire = "true", there is at least one download action on the invoice, performed by a user attached to the **recipient structure** of the invoice. If FactureTelechargeePaRDestinataire = "false", there is no download action on the invoice, performed by a user who is attached to the **recipient structure** of the invoice.	
	codeMOE	String: Project Manager's identifier	varchar(80)	Supplier functional identifier	0-1
	typeIdentifiantMOE	String: Project Manager identifier type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	0-1
	designationMOE	String: designation of the Project Manager	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	0-1
	codeMOA	String: Contracting Authority's identifier	varchar(80)	Functional identifier of the supplier	0-1
	typeIdentifiantMOA	String: Contracting Authority's identifier type	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET	0-1

				- TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	
	designationMOA	String: designation of the Contracting Authority	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	0-1

Error table

Error code	Description	Associated error message
200	Successful request	
400	Erroneous request	
20000	No result found	GDP_MSG_11.046
20001	The start date must be previous than the end date.	TRA_MSG_09.007 GFT-CU-01-SER-22 – Rechercher des factures de travaux [Search for work invoices]

2.2.3.4   Process received invoice

The method traiterFactureRecue allows to validate, reject or suspend a received invoice. When the recipient rejects or suspends the invoice, he must justify his choice.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFacture	Number: technical identifier of the invoice or of the work invoice to be process in CPP 2017	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
nouveauStatut	String: new status of the invoice or of the works invoice	varchar(50)	- MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - SUSPENDUE [PAUSED] - REJETEE [REJECTED] - MANDATEE [MANDATED] - MISE_EN_PAIEMENT [PAYMENT] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - A_RECYCLER [TO RECYCLE]	RecupererEtatsPossiblesPourTraitement	1
motif	String: reason for changing the status of the invoice or the works invoice	varchar(255)	The reason entry is mandatory if the new status to be assigned to the invoice is: - REJETEE [REJECTED] - SUSPENDUE [PAUSED]		0-1
numeroDPMandat	String: Payment request number in Chorus or Helios	varchar(31)	TDI-CU-03-RGD-01Ter		0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idFacture	Number: technical identifier of the invoice or the work invoice to be processed within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
numeroFacture	String: invoice number or work invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
dateTraitement	String: invoice or works invoice processing date	date	Date field: AAAA-MM-JJ	1
nouveauStatut	String: new status of the invoice or of the works invoice after processing	varchar(50)		1

Error table

Error code	Description	Associated error message
20000	The payment request is unkwown in the system	GDP_MSG_11.008
20001	Allowance: The user must be active and rattached to the recipient structure of the payment request.	GDP_MSG_11.021
20003	The reason entry is mandatory if the new status to be assigned to the invoice is: - REJETEE [REJECTED] - SUSPENDUE [PAUSED]	GDP_MSG_11.013
20004	Supplement information is required.	GDP_MSG_11.055
20005	The state is not allowed in the invoicing frameworkInvoicing framework	GDP_MSG_11.024

2.2.4 Process an invoice to validate

This chapter shows input, output and error tables for the following methods:
- Consult invoice by validator
- Search invoice to be processed by validator
- Search invoice by validator
- Retrieve reasons to refuse invoice to be validated
- Retrieve invoice statuses noticeable by the validator
- Process invoice to be validated

2.2.4.1 Consult invoice by validator

The method consulterFactureParValideur allowd a validator to retrieve data from an invoice for a consultation

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
identifiantFactureCPP		Technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
codeLangue		language code. This language is used in the descriptions.	varchar(5)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1
rechercheligneTvaRecap						0-1
	pageResultatDemandeeListeRecapitulatifTVA	number of the VAT summary lines results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPageListeListeRecapitulatifTVA	Number of results per page that can be returned by the research of VAT summary lines	integer	By default, the service returns 10 results per page.		0-1
	triSensListeRecapitulatifTVA	Sort order	varchar(10)	Enumeration with two possible		0-1

				values: - ascending sorting - downward sorting By default, the sorting is downward.		
	triColonneListeRecapitulatifTVA	reference column of the sorting Reference column of the sorting		Enumeration with 6 possible values: - ligneTvaTauxRefCode - ligneTvaTauxRefLibelle - ligneTvaTauxRefValeur - ligneTvaTauxManuel - ligneTvaMontantBaseHtParTaux - ligneTvaMontantTvaParTaux By default, the sorting is performed on the field "ligneTvaMontantTvaParTaux".		0-1
recherchePj						0-1
	pageResultatDemandeeListePieceJointe	Number of the attachment's list results page to be displayed	integer	By default, the output is the first page.		0-1
	triSensListePiecesJointes	Sort order	varchar(10)	Enumeration with two possible values: - ascending		0-1

				sorting - downward sorting By default, the sorting is downward.		
	triColonneListe PiecesJointes	Reference column of the sorting	-	Enumeration with 5 possible values: - PieceJointeTyp eCode - PieceJointeTyp eLibelle - PieceJointeDesi gnation - PieceJointeNu meroLigneFact ure - PieceJointeExte nsion By default, the sorting is performed on the field "Designation".		0-1
rechercheLi gnePoste						0-1
	pageResultatD emandeeLignes Poste	Number of the invoicing lines results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsPar PageLignesPost e	Number of results per page that can be returned from the search of invoicing lines	integer	By default, the service returns 10 results per page.		0-1
	triSensListeLig nesPoste	Sorting order	varchar(1 0)	Enumeration with two possible values:		0-1

				- ascending sorting - downward sorting By default, the sorting is downward.		
	triColonneListeLignesPoste	Reference column of the sorting	-	Enumeration with 13 possible values: - LignePosteNumero - LignePosteReference - LignePosteDenomination - LignePosteQuantite - LignePosteUniteCode - LignePosteMontantUnitaireHT - LignePosteMontantRemiseHT - LignePosteTauxTva - LignePosteTauxTvaManuel - LignePosteMontantHtApresRemise - LignePosteMontantTva - LignePosteMontantTtcApresRemise		0-1

				By default, the sorting is performed on the field "LignePosteNumero".			

Output table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
Facture à consulter							
facture							1
	identifiant FactureCPP			Technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	numeroFacture			Invoice number	varchar(20)		1
	statutFacture			Current status of the invoice	varchar(50)	Enumeration EtatDemandePaiement (cf. excel file Definition of the messages, e-mails, labels, enumerations, parameters)	1
	modeDepot			Deposit mode of the invoice	varchar(15)	EnumerationModeDepotDemandePaiement (cf. Excel file Definition of the	1

					messages, e-mails, labels, enumerations, parameters)	
	destinataire					1
		idDestinataire		Technical identifier of the recipient in the CPP 2017 system	integer	1
		codeDestinataire		Identifier of the invoice recipient	varchar(14)	This is the recipient's SIRET.	1
		libelleDestinataire		Description of the recipient	varchar(201)	In the case of work invoices, if the object does not exist, the service returns "Non renseigné"	1
		idServiceExecutant		Technical identifier of the recipient service in CPP 2017	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
		codeServiceExecutant		Service code of the invoice recipient	varchar(100)	Alphanumeric value If Service.estPremierServi	0-1

						ce = true, then this attribute is not entered.	
		libelleServiceExecutant		Description of the recipient service	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
		adresseDestinataireDetail		Detail of the recipient's (or its executing service's) address	varchar(100)		0-1
		adresseDestinataireComplement1		Address' first complement about the recipient or its executing service	varchar(100)		0-1
		adresseDestinataireComplement2		Address' second complement about the recipient or its executing service	varchar(100)		0-1
		adresseDestinataireCodePostal		Postal code of the recipient or its executing service	varchar(10)		0-1
		adresseDestinataireVille		City of the recipient or its executing service	varchar(50)		0-1
		adresseDestinataireCodePays		Country code of the recipient or its executing service	varchar(2)		0-1

		adresseDest inataireLibel lePays		Country description of the recipient or the executing service	varchar(100)		0-1
	fournisseu r						1
		idFournisse ur		Technical identifier of the supplier in the CPP 2017 system	integer		1
		typeIdentifi antFourniss eur		Identifier type of the supplier	varchar(14)	EnumerationTypeIdentifiant (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	1
		codeFournis seur		Supplier ID	varchar(80)	Alphanumeric value	1
		designation Fournisseur		Designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37) In case of	1

						work invoice, if the data is not entered, the value is "Non renseigné"	
		idServiceFournisseur		Technical ID of the supplier's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
		codeServiceFournisseur		Supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
		libelleServiceFournisseur		Supplier's service description	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
		adresseFournisseurDetail		Detail of the supplier's address	varchar(100)	Default value "FACTURE" (because this data is not available in the case of work invoices)	1

		adresseFour nisseurCom plement1		First complement of the supplier's address	varchar(100)		0-1
		adresseFour nisseurCom plement2		Second complement of the supplier's address	varchar(100)		0-1
		adresseFour nisseurCode Postal		Postal code of the supplier's address	varchar(10)	For works invoices, fill "Non renseigné"	1
		adresseFour nisseurVille		City of the supplier's address	varchar(50)	For works invoices, fill "Non renseigné"	1
		adresseFour nisseurCode Pays		Country's code of the supplier's address	varchar(2)	For works invoices, fill "Non renseigné"	1
		adresseFour nisseurLibell ePays		Country's description of the supplier's address	varchar(100)	For works invoices, fill "Non renseigné"	1
		numeroRcsF ournisseur		RCS tax identification of the supplier	varchar(100)	Alphanumer ic value	0-1
		coordBancai resFourniss eurCleIban		IBAN key of the supplier's bank details	varchar(2)	Alphanumer ic value	0-1
		coordBancai resFourniss eurCleRib		RIB key of the supplier's bank details	varchar(2)	Alphanumer ic value	0-1
		coordBancai resFourniss eurCodeBan que		Bank code of the supplier's bank details	varchar(5)	Alphanumer ic value	0-1

		coordBancairesCodeGuichet		Sort code of the supplier's bank details	varchar(5)	Alphanumeric value	0-1
		coordBancairesBicSwift		BIC/SWIFT number of the supplier's bank details	varchar(11)	Alphanumeric value	0-1
		coordBancairesFournisseurCodePays		Country code of the supplier's bank details	varchar(2)		0-1
		coordBancairesFournisseurCompteBancaire		Bank account of the supplier's bank details	varchar(30)	Alphanumeric value	0-1
		coordBancairesFournisseurId		ID of the supplier's bank details	integer		0-1
		coordBancairesFournisseurType		Type of the supplier's bank details	varchar(4)	Enumeration TypeCb (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	0-1
		coordBancairesFournisseurLibelle		Label of the supplier's bank details	varchar(255)	Alphanumeric value	0-1
		affactureur					0-1
			affactureurId	Technical identifier of the factor in the CPP 2017 system	integer		0-1
			affactureurCode	Identifier of the factor	varchar(80)	Alphanumeric value	0-1

		affactureurTypeIdentifiant	ID type of the factor	varchar(14)	Enumeration TypeIdentifiant (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	0-1
		affactureurRaisonSociale	Factor's corporate name	varchar(100)		0-1
		affactureurCodePays	Factor's corporate name	varchar(2)		0-1
	cadreDeFacturation					1
	codeCadreFacturation		Invoicing frameworkInvoicing framework code	varchar(50)	EnumerationCadreFacturation (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	1
	idValideur1		Technical identifier of the first validator's in the CPP 2017 system	integer		0-1
	typeIdentifiantValideur1		First validator's identifier type	varchar(14)	Enumeration TypeIdentifiant (cf. Excel file Definition of	0-1

						the messages, e-mails, labels, enumerations, parameters)	
		codeValideur1		First validator's identifier	varchar(80)		0-1
		raisonSocialeValideur1		First validator's designation	varchar(100)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
		dateValidation1		Validation date by the first validator	date	Datefield: AAAA-MM-JJ	0-1
		idValideur2		Technical identifier of the second validator in the CPP 2017 system	integer		0-1
		typeIdentifiantValideur2		Second validator's ID type	varchar(14)	Enumeration TypeIdentifiant (cf. Excel file Definition of the messages, e-mails, labels, enumeratio	0-1

						ns, parameters)	
		codeValideur2		Second validator's identifier	varchar(80)		0-1
		designationValideur2		Second validator's designation	varchar(100)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
		dateValidation2		Validation date by the second validator	date	Datefield: AAAA-MM-JJ	0-1
		idMoe		Technical identifier of the Project Manager in the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifiantMoe		Identifier type of the Project Manager	varchar(30)		0-1
		identifiantMoe		Identifier of the Project Manager	varchar(80)		0-1

		designation Moe		Designation of the Project Manager	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
		idServiceMoe		Technical identifier of the Project Manager's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
		codeService Moe		Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
		nomService Moe		Label of the Project Manager's service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1

		idMoa		Technical identifier of the Contracting Authority in the CPP 2017 system	integer	This technical identifier unquely identifies the structure within the CPP 2017 structure	0-1
		identifiantMoa		Identifier of the Contracting Authority	varchar(80)		0-1
		designationMoa		Designation of the Contracting Authority	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
		idServiceMoa		Technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1

		codeService Moa		Service code of the Contracting Authority	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
		nomService Moa		Contracting Authority's service label	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	piecePrecedente					These parameters are only displayed if the current works invoice has been created from a previous document.	0-1
		cadreFacturationPiecePrecedente		Invoicing framework of the preceding piece	varchar(50)		0-1
		idPiecePrecedente		Technical identifier of the preceding piece in the CPP 2017 system	integer		0-1
		numeroPiecePrecedente		Number of the preceding piece	varchar(20)		0-1
		idDestinatairePiecePrecedente		Technical identifier pf the recipient structure of the previous	integer	This technical identifier unquely identifies	0-1

				document in CPP 2017		the structure within the CPP 2017 structure	
		identifiantD estinatairePi ecePrecede nte		Identifier pf the recipient structure of the previous document in CPP 2017	varchar(14)	Alphanumer ic value SIRET of the previous document recipient	0-1
		raisonSocial eDestinatair ePiecePrece dente		Corporate name of the recipient of the preceding piece in the CPP 2017 system	varchar(99)		0-1
		idServiceEx ecutantPiec ePrecedente		Technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estP remierServi ce = true, then this attribute is not entered.	0-1
		codeService ExecutantPi ecePrecede nte		Service code of the recipient of the preceding piece	varchar(100)	Alphanumer ic value If Service.estP remierServi ce = true, then this attribute is not entered.	0-1
		nomService ExecutantPi ecePrecede nte		Description of the recipient service of the preceding piece	varchar(100)	If Service.estP remierServi ce = true, then this	0-1

						attribute is not entered.	
pieceSuivante						These parameters are displayed only if there is a following piece, linked to the current work invoice.	0-1
		cadreFacturationPieceSuivante		Invoicing framework mode of the following piece	varchar(50)		0-1
		idPieceSuivante		Technical identifier of the following piece in the CPP 2017 system	integer		0-1
		numeroPieceSuivante		Number of the following piece	varchar(20)		0-1
	references						1
		dateFacture		Invoicing date in the supplier's IS	date	Datefield: AAAA-MM-JJ	0-1
		dateDepot		Submission date of the invoice	date	Datefield: AAAA-MM-JJ	0-1
		codeDeviseFacture		Currency code of the invoice	varchar(5)		1
		libelleDeviseFacture		Currency description of the invoice	varchar(50)	Multilingual description: the returned	1

						description depends on the requested language in the service parameters.	
		typeFacture		Invoice type	varchar(50)	EnumerationTypeFacture (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters) The value by default is"FACTURE" (because this data is not available in the case of work invoices)	1
		typeFacture Travaux		Work invoice type	varchar(50)	Enumeration"TypeFactureTravaux".The service only returns the values of the enumeration corresponding to the available invoicing frameworks Invoicing framework.	0-1
		typeTva		VAT type	varchar(50)	EnumerationTypeTVA	1

						(cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters) The value by default is"SANS_TVA" (because this data is not available in the case of work invoices)	
		motifExoner ationTva		Reason code for VAT exemption	varchar(5)	Entered only if theVAT type is « EXONERATI ON ».	0-1
		libelleMotifE xonerationT va		Description of the reason for VAT exemption	varchar(50)	Entered only if the VAT type is « EXONERATI ON ». Multilingual description: the returned description depends on the requested language in the service parameters.	0-1
		numeroMar che		Contract number	varchar(50)		0-1
		numeroBon Commande		Purchase order number	varchar(50)		0-1

		numeroFactureOrigine		Original invoice number	varchar(20)		0-1
		modePaiement		Payment mean	varchar(11)	EnumerationModeReglements (cf. Excel file Definition of the messages, e-mails, labels, enumerations, parameters)	0-1
		dateCreationFacture		Creation date of the invoice	date	Datefield: AAAA-MM-JJ HH:MI	1
		tailleTotalePiecesJointes		Sum of the size of the attachments of the invoice (in Mb)	decimal(10, 3)		0-1
		numeroDpMandat		Payment request number in Chorus or Helios	varchar(31)		0-1
	recapitulatifDeTva						0-1
		ligneTva			Liste		0-n
			ligneTvaTauxRefId	Identifier of the referenced VAT rate	integer		0-1
			ligneTvaTauxRefCode	Referenced VAT rate's code	varchar(6)		0-1
			ligneTvaTauxRefLibelle	Description of the	varchar(50)		0-1

			referenced VAT rate			
		ligneTvaTauxRefValeur	Value of the referenced VAT rate	decimal(5,2)		0-1
		ligneTvaTauxManuel	Manual data entry of the VAT rate	decimal(5,2)		0-1
		ligneTvaMontantBaseHtParTaux	Basis amount without tax per tax rate	decimal(19,6)		1
		ligneTvaMontantTvaParTaux	Total tax amount per tax rate	decimal(19,6)		1
	pageCouranteLignesRecapitulativesTVA		Number of the current page	integer		0-1
	pagesLignesRecapitulativesTVA		Number of pages returned by the research	integer		0-1
	nbResultatsParPageLignesRecapitulativesTVA		Number of results per page	integer		0-1
	totalLignesRecapitulativesTVA		Number of results returned by the research	integer		0-1
montantTotal						1
	montantHtTotal		Tax-free amoount of the invoice after discount	decimal(19,6)		1
	montantTVA		VAT amount of the invoice after discount	decimal(19,6)	If the registered amount is nil (ie in	1

					some cases of work invoices), then the SXP returns the result of the following operation : Facture.montantTtcAvantRemisePied - DemandePaiement.montantHtGlobal	
		montantTtcAvantRemiseGlobalTTC		Tax included amount of the invoice before discount	decimal(19, 6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the result of the following operation : DemandePaiement.montantHtGlobal + DemandePaiement.montantTvaGlobal	0-1
		montantRemiseGlobaleTTC		Tax-included global allowance amount	decimal(19, 6)		0-1
		motifRemiseGlobaleTTC		Reason for tax-included global allowance amount	text(1024)		0-1

		montantTtc Total		Tax-included global amount of the invoice after allowance	decimal(19, 6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the result of the following operation : DemandePaiement.mon tantHtGloba l + DemandePaiement.mon tantTvaGlob al - Facture.mo ntantRemis eGlobaleTtc	0-1
		montantAPa yer		Payable amount of the invoice	decimal(19, 6)	If the registered amount is nil (ie in some cases of work invoices), then the SXP returns the following data : DemandePaiement.mon tantTtcGlob al	1
	pieceJoint ePrincipal e						0-1
		idLiaisonPie ceJointePrin cipale		Technical identifier of the link between the invoice and	integer		1

				the main attachment in the system		
		idPieceJointePrincipale		Technical identifier of the main attachment in the system	integer	1
	listeDesPiecesJointes					0-1
		pieceJointe			Liste	0-n
			pieceJointeTypeCode	Code of attachment's type	varchar(30)	1
			pieceJointeTypeLibelle	description of the attachment's type	varchar(50)	1
			pieceJointeDesignation	Free description of the attachment	varchar(255)	1
			pieceJointeNumeroLigneFacture	Number of the invoicing line to which the additional attachment may refer	integer	0-1
			pieceJointeIdLiaison	Technical identifier of the link between the invoice and the attachment in the system	integer	1
			pieceJointeId	Technical ID of the attachment in the system	integer	1

			pieceJointeExtension	Extension of the attachment	varchar(5)		1
		pageCouranteListePiecesJointe		Number of the current page	integer		0-1
		pagesListePiecesJointe		Number of pages returned by the research	integer		0-1
		nbResultatsParPageListePiecesJointe		Number of results per page	integer		0-1
		totalListePiecesJointe		Number of results returned by the research	integer		0-1
	lignesDePoste						0-1
		lignePoste			List		0-n
			lignePosteNumero	Number of the invoicing line	integer	In case of work invoices, if the object does not exist, return "0"	1
			lignePosteReference	Description of the invoicing line's reference	varchar(40)		0-1
			lignePosteDenomination	Designation of the invoicing line	varchar(40)		0-1
			lignePosteQuantite	Quantity of the invoicing line	decimal(19, 6)	In case of work invoices, if the object does not	1

					exist, return "0"	
			lignePosteUnite	Unit of the invoicing line	varchar(50)		0-1
			lignePosteMontantUnitaireHT	Unit tax-free amount of the invoicing line	decimal(19, 6)	In case of work invoices, if the object does not exist, return "0"	1
			lignePosteMontantRemiseHT	Tax-free rebateamount of the invoicing line	decimal(19, 6)		0-1
			lignePosteTauxTva	VAT rate code of the invoicing line	varchar(6)		0-1
			lignePosteTauxTvaManuel	Manual data entry of the invoicing line's VAT rate	decimal(5,2)		0-1
			lignePosteMontantHtApresRemise	Tax-free amount after rebate of the invoicing line	decimal(19, 6)	In case of work invoices, if the object does not exist, return "0"	1
			lignePosteMontantTva	VAT amount of the invoicing line	decimal(19, 6)	In case of work invoices, if the object does not exist, return "0"	1
			lignePosteMontantTtcApresRemise	Tax-included amount after rebate of the invoicing line	decimal(19, 6)	In case of work invoices, if the object does not	1

						exist, return "0"	
		pageCouranteLignesPoste		Number of the current page	integer		0-1
		pagesLignesPoste		Number of pages returned by the research	integer		0-1
		nbResultatsParPageLignesPoste		Number of results per page	integer		0-1
		totalLignesPoste		Number of results returned by the research	integer		0-1
	commentaire			Free comment field	text(2000)		0-1

Error table

Error code	Description	Associated error message
20000	Unknown payment request	GDP_MSG_11.008
20001	The user {0} has not any required authorization in order to process the payment request {1}	{0} = Name and surname of the user {1} = DemandePaiement.numero GDP_MSG_11.005
20002	The status of the invoice does not allow the requested action	GDP_MSG_01.010

2.2.4.2   Search invoice to be processed by validator

The method rechercherFactureATraiterParValideur allows to show the list of invoices to be processed by a validator

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idStructure		Technical identifier of the structure within the CPP 2017 system	integer	**Required**: IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RecupererStructuresPourValideur	0-1
typeIdentifiantStructure		Enumeration of the possible values for the first validator's identifier type	varchar(50)	Enumeration"TypeIdentifiant" **Required**: IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RecupererStructuresPourValideur	0-1
identifiantStructure		Functional identifier of the first validator's structure	varchar(80)	**Required:** IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RecupererStructuresPourValideur	0-1
pagination						
	pageResultatDemandee	Number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number of results per page that can be returned from the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	Sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	Reference column of the sorting	-	Enumeration with the names of attributes from the list of		0-1

				results. By default, the sorting is performed on the first attribute of the list of results.		

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number of the current page	integer		0-1
	pages	Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number of results per page	integer		0-1
	total	Number of results returned by the research	integer		0-1
listeFactures			Liste		0-n
	idFacture	Technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDemandePaiement	Type of payment request	varchar(50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	1
	idFournisseur	Technical identifier of the supplier	integer		1
	typeIdentifiantFournisseur	Identifier type of the supplier	varchar(50)	Enumeration"TypeIdentifiant"	1

	identifiantFournisseur	Supplier identifier	varchar(80)	Supplier functional identifier	1
	designationFournisseur	Designation of the supplier's structure	varchar(201)	cf. TRA-CU-00-RGD-37	1
	codeServiceFournisseur	Supplier's service code	varchar(100)	Alphanumeric value	0-1
	nomServiceFournisseur	Supplier's service name	varchar(255)		0-1
	idMoe	Technical identifier of the Project Manager in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	typeIdentifiantMoe	Identifier type of the Project Manager	varchar(30)		0-1
	identifiantMoe	Identifier of the Project Manager	varchar(80)		0-1
	designationMoe	Designation of the Project Manager	varchar(201)	cf. TRA-CU-00-RGD-37	0-1
	idServiceMoe	Technical identifier of the Project Manager's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceMoe	Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoe	Label of the Project Manager's service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1

	idMoa	Technical identifier of the Contracting Authority in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	typeIdentifiantMoa	Identifier type of the Contracting Authority	varchar(50)	Enumération "TypeIdentifiant"	
	identifiantMoa	Identifier of the Contracting Authority	varchar(80)		0-1
	designationMoa	Designation of the Contracting Authority	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
	idServiceMoa	Technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceMoa	Service code of the Contracting Authority	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoa	Contracting Authority's service label	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	typeIdentifiantDestinataire	Identifier type of the recipient	varchar(50)	Enumeration"TypeIdentifiant "	
	identifiantDestinataire	Identifier of the invoice recipient	varchar(14)	Alphanumeric value	1
	designationDestinataire	Recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the	1

				concatenated name and surname of its deputy.	
	idServiceExecutant	Technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	0-1
	codeServiceExecutant	Service code	varchar(100)	Alphanumeric value	0-1
	nomServiceExecutant	Executing service's name	varchar(255)		0-1
	idValideur	Technical identifier of the validator	integer	This technical identifier uniquely identifies the structure within the CPP 2017 systemcf. Service Metier	1
	typeIdentifiantValideur	Identifier type of the validator	varchar(50)	Enumeration "TypeIdentifiant" first or second validator cf. Service Metier	
	identifiantValideur	Identifier of the validator	varchar(80)		
	designationValideur	Designation of the validator's structure	varchar(100)	cf. TRA-CU-00-RGD-37 valideur1 ou valideur2 cf. Service Metier	1
	typeFacture	Invoice type	varchar(50)	Enumeration with 2 possible values: - AVOIR - FACTURE	0-1
	typeFactureTravaux	Work invoice type	varchar(50)	Enumeration"TypeFactureTravaux". The service only returns the values of the enumeration corresponding to the available invoicing frameworks.Invoicing framework	0-1
	numeroFacture	Invoice number or work invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value	1

	dateFacture	Invoicing date (invoice or work invoice)	date	Datefield: AAAA-MM-JJ	0-1
	dateDepot	Submission date of the invoice	date	Datefield: AAAA-MM-JJ	0-1
	montantHT	amount excluding tax of the invoice or the work invoice	decimal(19,6)		1
	montantTTC	Amont including tax of the invoice or the work invoice	decimal(19,6)		0-1
	montantAPayer	Payable amount of the invoice or the work invoice	decimal(19,6)		0-1
	devise	Currency of the invoice or the work invoice	varchar(5)		1
	statut	Current status of the invoice or the work invoice	varchar(50)		1
	numeroMarche	Contract number	varchar(50)		0-1
	numeroEngagement	Purchase order number	varchar(50)		0-1

Error table

Error code	Description	Associated error message
20000	Please enter a technical identifier or a type and a functional identifier of structure.	GCU_MSG_00.062
20001	No structure found for identifier {0}	GCU_MSG_00.014
20002	No result found	TRA_MSG_00.012

2.2.4.3   Search invoice by validator

The method rechercherFactureParValideur allows to search invoices and/or work invoices which must be validated by a validator

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
typeDemandePaiement		Type of payment request	varchar (50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	RecupererTypeDemandePaiement	0-1
idDestinataire		technical identifier of the recipient	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	RechercherDestinataire	0-1
rechercheSirenDestinataire		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
idServiceExecutant		Technical identifiers of the recipient service	integer		RechercherServiceExecutant	0-1
numeroFacture		Invoice number or work invoice number	varchar (20)			0-1
periodeDateDepotDu		Start date of the submission period	date	Date format: AAAA-MM-JJ		0-1
periodeDateDepotAu		End date of the submission period	date	Date format: AAAA-MM-JJ		0-1
listeTypeFacture		Invoice types list	varchar (50) (liste)	Enumeration with 2 possible values: - AVOIR - FACTURE		0-n
listeTypeFactureTravaux		List of the work invoice types	varchar (50) (liste)	Enumeration"TypeFactureTravaux" with 3 possible values: - PROJET_DECOMPTE_MENSUEL - PROJET_DECOMPTE_FINAL - DP_DE_SOUSTRAITANT_TRAVAUX		0-n

idFournisseur		Technical identifier of the supplier	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	RecupererFournisseursPourValideur	0-1
rechercheSirenFournisseur		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
idServiceFournisseur		Technical ID of the supplier's service	integer	This identifier uniquely identifies the service within the CPP 2017 system.	RecupererServicesParStructure	0-1
idStructureValideur		Technical identifier of the first or second validator	integer		RecupererStructuresPourValideur	0-1
idStructureMOE		Technical identifier of the Project Manager	integer		RechercherStructure	0-1
idStructureMOA		Technical identifier of the Contracting Authority	integer		RechercherDestinataire	0-1
cadreFacturation		Invoicing frameworkInvoicing framework code	varchar (50)	Enumeration (for the invoices): - A9_FACTURE_SOUSTRAITANT - A12_FACTURE_COTRAITANT Available enumeration (for the work invoice): - A10_PROJET_DECOMPTE_MENSUEL_SOUSTRAITANT - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT	RecupererCadreFacturation	0-1
statutCourant		List of the invoice/work invoice status, on which the research is performed	varchar (50) (liste)	It is possible to precise one or several status(es). If no status is	RecupererStatutsFactureVisiblesParValideur	0-n

					precised, there is no filter on the statuses. Si FACTURE: - A_VALIDER_1 [TO VALIDATE 1] - A_VALIDER_2 [TO VALIDATE 2] - REFUSEE_1 [REFUSED 1] - REFUSEE_2 [REFUSED 2] - DEPOSEE [DEPOSITED] - ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] - SUSPENDUE [PAUSED] - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] - A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER] - MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER] - PRISE_EN_COMPTE_MOE [TAKEN IN ACCOUNT BY		

				PROJECT MANAGER] - REFUSEE_MOE [REFUSED BY PROJECT MANAGER] Si FACTURE_TRAVAUX: - A_VALIDER_1 [TO VALIDATE 1] - VALIDEE_1 [VALIDATED 1] - REFUSEE_1 [REFUSED 1] - A_VALIDER_2 [TO VALIDATE 2] - VALIDEE_2 [VALIDATED 2] - REFUSEE_2 [REFUSED 2] - ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - DEPOSEE [DEPOSITED] - EN_COURS_ACHEMINEMENT [BEING DELIVERED] - MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - A_RECYCLER [TO RECYCLE] - ABANDONNEE - SUSPENDUE [PAUSED] - COMPLETEE [COMPLETED]		

				- REJETEE [REJECTED] - MANDATEE [MANDATED] - MISE_EN_PAIEMENT [PAYMENT] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - ASSOCIEE [ASSOCIATED] - EN_COURS_TRAITEMENT_PIVOT_S - REFUSEE_MOE [REFUSED BY PROJECT MANAGER] - T_INTERPRETEE_OCR - SERVICE_FAIT [SERVICE RENDERED]		
periodeDateFactureDu		Start date of the invoicing period	date	Date format: AAAA-MM-JJ		0-1
periodeDateFactureAu		End date of the invoicing period	date	Date format: AAAA-MM-JJ		0-1
montantHTMin		Minimum tax-free amount	decimal (19,6)			0-1
montantHTMax		Maximum tax-free amount	decimal (19,6)			0-1
montantTTCMin		Minimum tax-included amount	decimal (19,6)			0-1
montantTTCMax		Maximum tax-included amount	decimal (19,6)			0-1
montantAPayerMin		Minimum payable amount	decimal (19,6)			0-1
montantAPayerMax		Maximum payable amount	decimal (19,6)			0-1

numeroMarche		Contract number	varchar (50)			0-1
numeroEngage ment		Purchase order number	varchar (50)		RechercherE ngagementJ uridique	0-1
Pagination						
pagination						0-1
	pageResult atDemand ee	Number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultat sParPage	Number of results per page that can be returned from the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	Sorting order	varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	Reference column of the sorting	-	Enumeration of the possible values: - IdFacture - TypeDemandePaieme nt - IdFournisseur - IdentifiantFournisseur - TypeIdentifiantFourni sseur - DesignationFournisse ur - CodeServiceFournisse ur - NomServiceFournisse ur - IdDestinataire - IdentifiantDestinatair e -		0-1

				DesignationDestinatai re - IdServiceExecutant - CodeServiceExecutan t - NomServiceExecutant - TypeFacture - TypeFactureTravaux - NumeroFacture - DateFacture - DateDepot - MontantHT - MontantTTC - MontantAPayer - Devise - Statut - NumeroMarche - NumeroEngagement By default, the sorting is performed on the field "DateDepot".		

Output table

Attribute	Subattribu te	Typing (tagger)	Format	Management rules	Multiplicity
parametre sRetour					0-1
	pageCour ante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultat sParpage	Number: number of results per page	integer		0-1
	total	Number: of results returned by the research	integer		0-1
liste des factures					
listeFactur es			liste		0-n
	idFacture	Technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
	typeDema ndePaiem ent	Type of payment request	varcha r(50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX	1
	idFourniss eur	Technical identifier of the supplier	integer		1

	identifiant Fournisse ur	Identifier of the supplier	varchar(80)	Supplier functional identifier	1
	typeIdenti fiantFourn isseur	Identifier type of the supplier	varchar(50)	Enumeration"TypeIdentifiant"	1
	designatio nFourniss eur	Designation of the supplier's structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	1
	codeServi ceFourniss eur	Supplier's service code	varchar(100)	Alphanumeric value	0-1
	nomServic eFourniss eur	Supplier's service name	varchar(255)		0-1
	idMoe	Technical identifier of the Project Manager in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	typeIdenti fiantMoe	Identifier type of the Project Manager	varchar(30)		0-1
	identifiant Moe	Identifier of the Project Manager	varchar(80)	Alphanumeric value	0-1
	designatio nMoe	Corporate name of the Project Manager	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	0-1
	idService Moe	Technical identifier of the Project Manager's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServi ceMoe	Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServic eMoe	Label of the Project Manager's service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idMoa	Technical identifier of the Contracting Authority in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	identifiant Moa	Identifier of the Contracting Authority	varchar(80)	Alphanumeric value	0-1
	designatio nMoa	Corporate name of the Contracting Authority	varchar(201)	This data is a string of characters which corresponds to the corporate	0-1

				name of the structure or the concatenated name and surname of its deputy. (cf. TRA-CU-00-RGD-37)	
	idService Moa	Technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServi ceMoa	Service code of the Contracting Authority	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServic eMoa	Contracting Authority's service label	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinat aire	Technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiant Destinatai re	Identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
	designatio nDestinat aire	Designation of the recipient	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	idServiceE xecutant	Technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	0-1
	codeServi ceExecuta nt	Service code	varchar(100)	Alphanumeric value	0-1
	nomServic eExecutan t	Executing service's name	varchar(255)		0-1
	typeFactur e	Invoice type	varchar(50)	Enumeration with 2 possible values: - AVOIR - FACTURE	0-1
	typeFactur eTravaux	Work invoice type	varchar(50)	Enumeration"TypeFactureTravaux". The service only returns the values of the enumeration corresponding to the available invoicing frameworks.Invoicing framework	0-1
	numeroFa cture	Invoice number or work invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value	1
	dateFactur e	Invoicing date (invoice or work invoice)	date	Datefield: AAAA-MM-JJ	0-1

	dateDepot	Submission date of the invoice	date	Datefield: AAAA-MM-JJ	0-1
	montantHT	Tax-free amount of the invoice or the work invoice	decimal(19,6)		1
	montantTTC	Tax-included amont of the invoice or the work invoice	decimal(19,6)		1
	montantAPayer	Payable amount of the invoice or the work invoice	decimal(19,6)		0-1
	devise	Currency of the invoice or the work invoice	varchar(5)		1
	statut	Current status of the invoice or the work invoice	varchar(50)		1
	numeroMarche	Contract number	varchar(50)		0-1
	numeroEngagement	Purchase order number	varchar(50)		0-1

Error table

Error code	Description	Associated error message
20000	POQ_MSG_02.022 - You are not authorized on the area "{0}"	{0} = EspaceFo.libelleEspaceFo.libelle POQ-CU-04-SER-04 Search for authorized structures on FO for User
20001	GDP_MSG_11.046 - "No result found"	GFV-CU-11-SER-30 Search for payment request as validator

2.2.4.4 Retrieve reasons to refuse invoice to be validated

The method recupererMotifsRefusFactureAValider allows to retrieve a referential of reasons to refuse an invoice to be validated

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
codeCadreFacturationAValider	Invoicing frameworkWork invoicing framework code	varchar(50)	Enumeration with 5 possible values: - A9_FACTURE_SOUSTRAITANT - A10_PROJET_DECOMPTE_MENSUEL_SOUSTRAITANT - A12_FACTURE_COTRAITANT - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeMotifRefusFactureAValider			Liste		0-n
	codeMotif	Reason code for the rejection	varchar(20)		1
	idMotif	Technical identifier of the rejection reason	integer		1
	libelleMotif	Label of the rejection reason	varchar(25)		1

Error table

Error code	Description	Associated error message

2.2.4.5   Retrieve invoice statuses noticeable by the validator

The method recupererStatutsFactureVisiblesParValideur allows a validator to retrieve the list of invoice statuses, which concern the validator

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStatutFacture					0-n
	codeStatutFacture	String: possible status of the invoice	varchar(50)	Enumeration of the possible values (for the work invoices or the invoices to be validated) - A_ASSOCIER_FOURNISSEUR [TO ASSOCIATE WITH SUPPLIER] - A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY] - A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER] - A_COMPLETER [TO COMPLETE] - A_RECYCLER [TO RECYCLE] - A_VALIDER_1 [TO VALIDATE 1] - A_VALIDER_2 [TO VALIDATE 2] - ABANDONNEE - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - ASSOCIEE [ASSOCIATED] - COMPLETEE [COMPLETED] - COMPTABILISEE [ACCOUNTED]	1

				- DEPOSEE [DEPOSITED]	
				- EN_COURS_ACHEMINEME NT [BEING DELIVERED]	
				- EN_COURS_TRAITEMENT_ PIVOT_S	
				- ERREUR_COTRAITANT_SU R_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR]	
				- ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY]	
				- ERREUR_DE_MOE [ERROR ON PROJECT MANAGER]	
				- MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT]	
				- MISE_A_DISPOSITION_CO MPTABLE [AVAILABLE TO ACCOUNTANT]	
				- MISE_A_DISPOSITION_M OE [AVAILABLE TO PROJECT MANAGER]	
				- MISE_A_DISPOSITION_M OA [AVAILABLE TO CONTRACTING AUTHORITY]	
				- MISE_EN_PAIEMENT [PAYMENT]	
				- PRISE_EN_COMPTE_DESTI NATAIRE	
				- PRISE_EN_COMPTE_MOE [TAKEN IN ACCOUNT BY PROJECT MANAGER]	
				- PRISE_EN_COMPTE_MOA [TAKEN IN ACCOUNT BY CONTRACTING AUTHORITY]	
				- REFUSEE_1 [REFUSED 1]	
				- REFUSEE_2 [REFUSED 2]	
				- REFUSEE_FOURNISSEUR [REFUSED BY SUPPLIER]	
				- REFUSEE_MOA [REFUSED BY CONTRACTING AUTHORITY]	
				- REFUSEE_MOE [REFUSED BY PROJECT MANAGER]	

				- REJETEE [REJECTED]	
				- REMPLACEE_PAR_A22	
				- SERVICE_FAIT [SERVICE RENDERED]	
				- SUSPENDUE [PAUSED]	
				- TRANSMISE_MOA	
				- VALIDEE_1 [VALIDATED 1]	
				- VALIDEE_2 [VALIDATED 2]	

Error table

Error code	Description	Associated error message

2.2.4.6   Process invoice to be validated

The method traiterFactureAValider allows a validator to modify the status of an invoice to be validated in providing a reason to refuse if it is refused.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFacture	DemandePaiement.id	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
action	-	varchar(10)	Enumeration with 2 possible values: - REFUS (REJECTION) - VALIDATION (VALIDATION)		1
typeValideur	-	varchar(10)	Enumeration with 2 possible values: - TITULAIRE (CONTRACTOR) - COTRAITANT (CO-CONTRACTOR) If the service request is a validation or a rejection whose reason is different from « Mauvais valideur » (wrong validator), then the entry of this parameter is required if the following properties are checked: - the invoicing framework is A9 (Invoice deposit by a subcontractor) or A10 (subcontracting in a work invoicing framework) Invoicing frameworkInvoicing framework - the user is connected to the first validator's structure		0-1
idValideur	DemandePaiement.valideur2.idStructure	integer	The next validator is required and must exist in the CPP 2017 system if: - the action is a validation . - the action is a rejection different from "MAUVAIS_VALIDEUR" (WRONG_VALIDATOR), Invoicing frameworkthe invoicing framework is A10 and the type of validator is "COTRAITANT" (CO-CONTRACTOR)	RechercherStructures	0-1
motifRefus	DemandePaiement.codeMotif	varchar(20)	If the request is "REFUS" (« REJECTION »), then the rejection reason must be filled.	RecupererMotifsRefusFactureAValider	0-1
complementInfo	HistoEtatDemandePaiement.commentaire	varchar(255)	In case of rejection of an invoice, the system saves the concatenated rejection reason and complement of information in the fieldHistoEtatDemandePaiement.commentaire In case of validation or processing of an invoice, the complement of information is saved by the system		0-1

			in the fieldHistoEtatDemandePaiement.commentaire If the rejection reason is « Autre » (Other), the complement of informationmust have more than three characters (without blank)		

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idFacture	Technical ID of the invoice in the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
numeroFacture	Invoice number	varchar(20)	This ID is unique for each supplier Alphanumeric value	1
dateTraitement	Invoice processing date	date	Datefield: AAAA-MM-JJ HH:MI	1
statutFacture	Current status of the invoice	varchar(50)		1

Error table

Error code	Description	Associated error message
20000	GDP_MSG_11.008 - The payment request {0} has not been found	{0}= parametered identifier of the ayment request GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20001	GDP_MSG_11.048 - The parametered request type is not known in the system	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20002	GDP_MSG_11.013 - The rejection reason is required in case of rejection	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20003	GDP_MSG_11.054 - In case of rejection, the validation framework "Titulaire" (contractor) or "Cotraitant" (co-contractor) is required.	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20004	GDP_MSG_11.028 - In case of validation, the validation framework "Titulaire" (contractor) or "Cotraitant" (co-contractor) is required.	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20005	GDP_MSG_11.014 - In case of « cotraitant (co-contractor) validation, the identifier of the contractor is required.	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20006	GDP_MSG_11.005 - The user {0} has not any required authorization in order to process the payment request {1}	{0}=Nom et prénom de l'utilisateur {1}=DemandePaiement.numero TRA-CU-00-SER-01 Ajouter fichier dans le système (modes portail & service)
20007	GDP_MSG_11.015 - The status of the payment request is {0}. In order to validate/refuse a payment request, its status must be A VALIDER (TO BE VALIDATED) or ERREUR DU COTRAITANT SUR DESTINATAIRE (ERROR OF THE CO-CONTRACTOR ON RECIPIENT)	{0}=DemandePaiement.etatCourant GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode
20008	GCU_MSG_05.001 - The connection request does not exist	GFV-CU-11-SER-11 Validate or refuse an invoice in the API mode

2.2.5 Retrieve invoice information

This chapter shows input, output and error tables for the following methods:
- Search payment request
- Consult invoice history
- Download invoice group

2.2.5.1 Search payment request

The method rechercherDemandePaiement allows to retrieve payment requests from archive base and living database for the connected user according to specific parameters (exposed service will not work on the qualification environment

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
roleUtilisateur			varchar(20)	Enumeration with 5 possible values: - FOURNISSEUR - MOE - MOA - VALIDEUR - DESTINATAIRE		1
numeroFacture		Invoice number or work invoice number	varchar(20)			0-1
typeDemandeP aiement		Type of payment request	varchar(50)	Enumeration with 2 possible values: - FACTURE - FACTURE_TRAVAUX If empty, the search is done on paiment requests with « FACTURE » and « FACTURE_TRAVA UX » types		0-1
typeFacture		Invoice type	varchar(50)	Enumeration "TypeFacture "		0-1
typeFactureTra vaux		Works invoice typeWorks invoice type	varchar(50)	Enumeration "TypeFactureTravau x"	RecupererTypeFact ureTravaux	0-1
cadreFacturati on		Invoicing frameworkInv oicing framework	varchar(50)	Enumeration "CadreFacturation"	RecupererCadreFac turation	0-1
statutCourant		Current status	varchar(50) (liste)	Enumeration "EtatDemandePaiem ent"	RecupererEtatParTy peDemandePaieme nt	0-1

periodeDateHeureEtatCourantDu		Last change date, from	date			0-1
periodeDateHeureEtatCourantAu		Last change date, to	date			0-1
periodeDateFournisseurDu		Supplier date, from	date			0-1
periodeDateFournisseurAu		Supplier date, to	date			0-1
periodeDateDepotDu		Submission date of the invoice, from	date			0-1
periodeDateDepotAu		Submission date of the invoice, to	date			0-1
montantHTMin		Minimum tax-free amount	decimal(19,6)			0-1
montantHTMax		Maximum tax-free amount	decimal(19,6)			0-1
montantTTCMin		Minimum tax-included amount	decimal(19,6)			0-1
montantTTCMax		Maximum tax-included amount	decimal(19,6)			0-1
montantAPayerMin		Minimum payable amount	decimal(19,6)			0-1
montantAPayerMax		Maximum payable amount	decimal(19,6)			0-1
numeroMarche		Contract number	varchar(50)			0-1
numeroBonCommande		Commitment number	varchar(50)		RechercherEngagementJuridique	0-1
numeroFactureOrigine		Original invoice number	varchar(20)			0-1
structureFournisseur						0-1

	idStructureFournisseur	Technical identifier of the supplier structure	integer		RechercherStructure	0-1
	typeIdentifiantStructureFournisseur	Enumeration of possible values for the identifier type of the supplier structure	varchar(50)	Enumeration "TypeIdentifiant"	RechercherStructure	0-1
	identifiantStructureFournisseur	Funcionnal identifier of the supplier structure	varchar(80)		RechercherStructure	0-1
rechercheSirenFournisseur		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
idServiceFournisseur		Technical ID of the supplier's service	integer		RechercherServices Structure	0-1
structureMoe						0-1
	idStructureMoe	Technical identifier of the projet manager structure	integer		RechercherStructure	0-1
	typeIdentifiantStructureMoe	Enumeration of possible values for the identfier type of the preoject manager structure	varchar(50)	Enumeration "TypeIdentifiant"	RechercherStructure	0-1
	identifiantStructureMoe	Funcionnal identifier of the project manager	varchar(80)		RechercherStructure	0-1
idServiceMoe		Technical identifier of the project manager service	integer		RechercherServices Structure	0-1
structureMoa						0-1

	idStructureMoa	Technical identifier of the contracting authority structure	integer		RechercherStructure	0-1
	typeIdentifiantStructureMoa	Enumeration of possible values for the identifier type of the contracting authority structure	varchar(50)		RechercherStructure	0-1
	identifiantStructureMoa	Funcionnal identifier of the contracting authority structure	varchar(80)		RechercherStructure	0-1
idServiceMoa		Technical identifier of the contracting authority service	integer		RechercherServices Structure	0-1
structureValideur						0-1
	idStructureValideur	Technical identifier of the validator	integer		RechercherStructure	0-1
	typeIdentifiantStructureValideur	Enumeration of the possible values for the identifier type of the validator	varchar(50)	Enumeration "TypeIdentifiant"	RechercherStructure	0-1
	identifiantStructureValideur	Functional identifier of the validator structure	varchar(80)		RechercherStructure	0-1
structureDestinataire						0-1
	idStructureDestinataire	Technical identifier of the recipient structure	integer		RechercherDestinataire	0-1
	typeIdentifiantStructureDestinataire	Enumeration des possible values for the identifier type of the	varchar(50)	Enumeration "TypeIdentifiant"	RechercherDestinataire	0-1

		recipient structure				
	identifiantStructureDestinataire	Funcionnal identifier of the recipient structure	varchar(80)		RechercherDestinataire	0-1
rechercheSirenDestinataire		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1
idServiceDestinataire		Recipient service	integer		RechercherServicesStructure	0-1
dpOuDpArchive		Database where the payment request is situated	varchar(50)	Enumeration with 2 possible values: - DEMANDE_PAIEMENT - DP_ARCHIVE		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeDemandePaiement					0-n
	idDemandePaiement	Technical identifier of the payment request in Chorus Pro	integer		1
	numeroDemandePaiement	Invoice number or work invoice number	varchar(20)		1
	typeDemandePaiement	Type of payment request	varchar(50)	Enumeration "TypeDemandePaiement",	1
	typeFacture	Invoice typeInvoice type	varchar(50)	Enumeration "TypeFacture "	0-1
	typeFactureTravaux	Works invoice type	varchar(50)	Enumeration "TypeFactureTravaux"	0-1

	cadreFacturation	Invoicing framework	varchar(50)	Enumeration "CadreFacturation"	0-1
	etatCourant	Current state	varchar(50)	Enumeration "EtatDemandePaiement"	1
	dateHeureEtatCourant	Last state change date, from	date		1
	commentaireEtatCourant	String : comment on the current status	varchar(255)		0-1
	dateFournisseur	Supplier date	date		0-1
	dateDepot	Submission date of the invoice	date		0-1
	montantHT	Tax-free amount	decimal(19,6)		0-1
	montantTTC	Tax-included amount	decimal(19,6)		0-1
	montantAPayer	Payable amount of the invoice	decimal(19,6)		0-1
	numeroMarche	Contract number	varchar(50)		0-1
	numeroBonCommande	Commitment number	varchar(50)		0-1
	numeroFactureOrigine	Original invoice number	varchar(20)		0-1
	idStructureFournisseur	Technical identifier of the supplier structure	integer		1

	idServiceFourn isseur	Technical ID of the supplier's service	integer		0-1
	idStructureMo e	Technical identifier of the project manager structure	integer		0-1
	idServiceMoe	Technical identifier of the project manager service	integer		0-1
	idStructureMo a	Technical identifier of the contracting authority structure	integer		0-1
	idServiceMoa	Technical identifier of the contracting authority service	integer		0-1
	idStructureVali deur1	Technical identifier of the validator structure	integer		0-1
	idStructureVali deur2	Technical identifier of the validator 2 structure	integer		0-1
	idStructureDes tinataire	Technical identifier of the recipient structure	integer		0-1
	idServiceDesti nataire	Technical identifier of the recipient service	integer		0-1
	dpOuDpArchiv e	Database where the payment request is situated	varchar(50)	Enumeration with 2 possible values: - DEMANDE_PAIEMENT - DP_ARCHIVE	0-1

Error table

Error code	Description	Associated error message
20000	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062 - SXP This message has an effect on all the entered structures
20001	No payment request match the criterias	GDP_MSG_11.061
20002	Search returns more than {0} results. Please input more criteria.	TRA_MSG_00.025 {0} = maximum number of results allowed for the current search screen

20003	No structure found for the identifier {0}.	GCU_MSG_00.014 {0} = identifier This message intervenes on all structures filled in
20004	The service {0} is unknown for the structure {1}.	GCU_MSG_06.004 {0} = service identifier {1} = structure identifier
20005	The beginning date must be earlier than the end date.	TRA_MSG_09.007 This control is applied to every date in input
20006	The minimum value of the amount must be less than the maximum value of the amount.	TRA_MSG_09.008 This control is applied to every amount intervals in input
20007	Searching for archived payment requests is currently not possible. Please try again later.	GDP_MSG_01.027 Service métier GDP-CU-01-SER-35

2.2.5.2 Consult invoice history

The method consulterHistoriqueFacture allows to show the evenment history as well as the current status of a received invoice, an invoice to be validated or an sent invoice.

Input table

Attribute	Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
idFacture		Number: technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	1
idEspace		Number: technical identifier of the area in the Chorus Pro system	integer	This ID allows to uniquely identify the area within the system CPP 2017

Default value (corresponding to the received invoices area): 7 | 0-1 |
nbResultatsMaximum		Number: Maximum number of results that can be seen for a research	integer	By default, the service returns no more than 200 results.	0-1
Status history search parameters					
paramRechercheHistoStatuts					0-1
	pageResultatDemandeeListeHistoStatut	Number: number of the status history's results page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsParPageListeHistoStatut	Number: Number of results per page that can be returned from the search of the status history	integer	By default, the service returns 10 results per page.	0-1
	triSensListeHistoStatut	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListeHistoStatut	String: reference column of the sorting reference column of sorting	-	Enumeration with 7 possible values: - HistoStatutCode - HistoStatutDatePassage - HistoStatutCommentaire -	0-1

				HistoStatutUtilisateurPrenom - HistoStatutUtilisateurNom - HistoStatutUtilisateurEmail - HistoStatutUtilisateurTelephone By default, the sorting is performed on the field By default, the sorting is performed on the field"HistoStatutDatePassage".	
Research parameters for the history of the user's actions					
paramRechercheHistoEvenementsComplementaires					0-1
	pageResultatDemandeeListeHistoEvenement	Number: number of the complementary events list's results page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsParPageListeHistoEvenement	Number: Number of results per page that can be returned from the search of the complementary events' history	integer	By default, the service returns 10 results per page.	0-1
	triSensListeHistoEvenement	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListeHistoEvenement	String: reference column of the sorting	–	Enumeration with 3 possible values: - EvenementLibelle - EvenementQui - EvenementDateHeure By default, the sorting is performed on the field "EvenementDateHeure".	0-1
Research parameters for the history of the user's actions					

paramRecherch eHistoActionsUt ilisateurs					0-1
	pageResultat DemandeeLis teHistoAction	Number: number of the user's action results page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsP arPageListeHi stoAction	Number: Number of results per page that can be returned from the research of the history of user's actions	integer	By default, the service returns 10 results per page	0-1
	triSensListeHi stoAction	String: sorting order	varchar(1 0)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneList eHistoAction	String: reference column of the sorting	-	Enumeration with 6 possible valuespossible values: - histoActionDateHeure - histoActionCode - histoActionUtilisateurPreno m - histoActionUtilisateurNom - histoActionUtilisateurEmail - histoActionUtilisateurTelep hone By default, the sorting is performed on the field "histoActionDateHeure".	0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFacture			Number: technical identifier of the invoice/work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the invoice or the works invoice within the 2017 CPP system	1
numeroFacture			String: invoice number or work invoice number	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
modeDepot			String: deposit mode of the invoice or the work invoice	varchar(15)	Enumeration with 10 possible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION	1
statutCourantCode			String: value of the current status of the invoice or of the works invoice	varchar(50)		1
Historiques des statuts						
historiquesDesStatuts						1
	histoStatut			Liste	List sorted by date of passage.	1-n

		histoStatutId	Number: technical identifier of the state history of the invoice or of the works invoice in the 2017 CPP system	integer		1
		histoStatutCode	String: value of the status history of the invoice or of the works invoice	varchar(50)		1
		histoStatutDatePassage	String: date of transition to this state	date	Datefield: AAAA-MM-JJ HH:MI	1
		histoStatutCommentaire	String: comment entered in case of rejection / validation	varchar(255)		0-1
		histoStatutUtilisateurPrenom	String: first name of the user at the initiative of the change of status	varchar(100)		0-1
		histoStatutUtilisateurNom	String: last name of the user at the initiative of the change of status	varchar(100)		0-1
		histoStatutUtilisateurEmail	String: email of the user at the initiative of the change of status	varchar(200)		0-1
		histoStatutUtilisateurTelephone	String: phone number of the user at the initiative of the change of status	varchar(18)		0-1
	pageCouranteHistoStatut		Number: number of the current page	integer		0-1
	pagesHistoStatut		Number: number of research returned results of pages returned by the research	integer		0-1
	nbResultatsParPageHistoStatut		Number: Number of results per page	integer		0-1
	totalHistoStatut		Number: Number of research returned results	integer		0-1
Additional events history						
historiquesDesEvenementsComplementaires						0-1

	evenement			Liste	List sorted in chronological order of date.	0-n
		evenementId	Number: technical identifier of the event in the CPP 2017 system	integer		1
		evenementLibelle	String: event name	text(1024)		1
		evenementQui	String: structure that is causing the event	varchar(255)		1
		evenementDateHeure	String: date of the event	date	Datefield: AAAA-MM-JJ HH:MI	1
	pageCouranteEvenement		Number: number of the current page	integer		0-1
	pagesEvenement		Number: Number of research returned pages	integer		0-1
	nbResultatsParPageEvenement		Number: Number of results per page	integer		0-1
	totalEvenement		Number: Number of research returned results	integer		0-1
Last action						
derniereAction						1
	derniereActionId		Number: technical identifier of the last action of the invoice or of the works invoice in the 2017 CPP system	integer		0-1
	derniereActionCode		String: last action code	varchar(50)		0-1
User actions history						
historiquesDesActionsUtilisateurs						1
	histoAction			Liste	List sorted in chronological order of date.	0-n
		histoActionId	Number: technical identifier of actions history of the invoice or of the works invoice in the 2017 CPP system	integer		1

		histoActionDateHeure	String: date of completion of the action	date	Datefield: AAAA-MM-JJ HH:MI	1
		histoActionCode	String: action code	varchar(50)	Enumeration with 1 possible value: - TELECHARGEMENT_ FACTURE	1
		histoActionUtilisateurPrenom	String: first name of the user at the initiative of the action	varchar(100)		0-1
		histoActionUtilisateurNom	String: last name of the user at the initiative of the action	varchar(100)		0-1
		histoActionUtilisateurEmail	String: email of the user at the initiative of the action	varchar(200)		0-1
		histoActionUtilisateurTelephone	String: phone number of the user at the initiative of the action	varchar(18)		0-1
	pageCouranteHistoAction		Number: number of the current page	integer		0-1
	pagesHistoAction		Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPageHistoAction		Number: Number of results per page	integer		0-1
	totalHistoAction		Number: Number of results returned by the research	integer		0-1

Error table

Error code	Description	Associated error message
20000	Unknown payment request	GDP_MSG_11.008
20001	The user {0} is not allowed to perform this action	GDP_MSG_11.005

2.2.5.3 Download invoice group

The method telechargerGroupeFacture allows to download one or several sent invoices, received invoices or invoices to be validated in specifying the format (XML, PDF or ZIP) as well as the attachments. The downloaded file must not exceed the maximum size of an invoice file (120 Mo), no matter how many downloaded invoices. If the file exceeds this size, a 413 error code will be sent.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
idEspace		Number: technical identifier of the area in the 2017 CPP system	integer	This identifier uniquely identifies the area within the 2017 CPP system Default value (corresponding to the received invoices area): 7	0-1
format		String: format under which invoices or work invoices must be retrieved	varchar(5)	Enumeration with 2 possible values: - PDF - PIVOT	1
avecPiecesJointes Complementaires		String: flag indicating whether additional attachments should be retrieved (only if Format = "PDF")	varchar(3)	This parameter must be filled in only if Format = "PDF". Enumeration with 2 possible values: - Oui - Non If the format passed in parameter is "PIVOT", the attachments are systematically downloaded.	0-1
Invoices list					
listeFacture					1
	idFacture	Number: list of technical identifiers for invoices or works invoices within CPP 2017	integer (liste)	This identifier uniquely identifies invoices or works invoices within the 2017 CPP system	1-n

Output table

Attribute	Typing	Format	Management rules	Multiplicity
fichierResultat	String: binary file base 64 encoded	file	The format of the file to be returned differs according to the following cases: 1) If "Format" = "PIVOT": The service only returns a single pivot format file, which will contain one or more invoices with their encoded attachments. 2.a) If "Format" = "PDF", and if there is only one attachment to retrieved for a single invoice : : The service returns a single PDF format file. 2.b) If "Format" = "PDF", and there are multiple attachments to return for a single invoice: The service returns a ZIP archive containing PDF attachments. 2.c) If "Format" = "PDF", and that there are multiple attachments to return for multiple invoices: The service returns a ZIP archive containing PDF attachments. The archive contains a repertory per invoice.	1

Error table

Error code	Description	Associated error message
20000	Mandatory field: « No payment request selected »	GDP-CU-01-RGD-148
20001	Mandatory field: « The payment requests format is mandatory »	GDP-CU-01-RGD-76
20002	The maximum number of downloadable payment requests in the same transaction is capped at XX payment requests.	GDP_MSG_11.009 Maximum number of downloadable payment requests.
20003	The invoice or the works invoice has not been found	GDP_MSG_11.008
20004	The user isn't allowed for this downloading. To download an invoice from issued invoices, the connection between the user and one of the following services or structures must be « VALIDE »: - to the supplier service or the supplier structure, To download an invoice from invoices to validate, the connection between the user and one of the following services or structures must be « VALIDE »: - to the validator 1 structure, - to the validator 2 structure, To download an invoice from works invoices, the connection between the user and one of the following services or structures must be « VALIDE »: - to the supplier service or the supplier structure, - to the project manager structure or service, - to the contracting authority structure or service, To download an invoice from received invoices, the connection between the user and one of the following services or structures must be « VALIDE »: - to the recipient structure or service, Furthermore, the user must be "ACTIF"	GDP_MSG_11.005
20005	The status (DemandePaiement.etatCourant) of the payment request in the database must not be equal to: - « BROUILLON » [DRAFT] - « SUPPRIME » [DELETED]	GDP_MSG_11.010
20006	Returning an error or no response from the SMA	

2.3   Work invoice

2.3.1   Initiate or complete an invoice file

This chapter shows input, output and error tables for the following methods:
-    Consult invoice file
-    Consult work invoice
-    Search work invoice
-    Search work invoice to be processed
-    Submit work invoice

2.3.1.1   Consult invoice file

The method ConsulterDossierDeFacturation allows a user to consult the invoice file for works contract.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	This technical identifier uniquely identifies the work invoice within the CPP 2017 system.		1
codeLangue		String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1
Research parameters of the list of attachments						
pListePiecesJointes						0-1
	pageResultatDemandeeListePieceJointe	Number: number of the attachment's list results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPageListePieceJointe	Number: Number of results per page that can be returned	integer	By default, the service returns 10 results per page.		0-1

		by the research of the attachment's list			
	triSensListePiecesJointes	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonneListePiecesJointes	String: reference column of the sorting	-	Enumeration with 4 possible values: - PieceJointeTypeCode - PieceJointeTypeLibelle - PieceJointeDesignation - PieceJointeExtension By default, the sorting is performed on the field "PieceJointeDesignation".	0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
Liste de factures de travaux							
listeFactureTravaux							0-n
	typeDemandePaiement			String: type of payment request	varchar(50)		1
	typeFactureTravaux			String: work invoice type	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT_TRAVAUX - PROJET_DECOMPTE_MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_FINAL - PROJET_DECOMPTE_GENERAL - PROJET_DECOMPTE_GENERAL_PROCEDURE_TACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DECOMPTE_GENERAL_DEFINITIF_TACITE - DECOMPTE_GENERAL_DEFINITIF_PROCEDURE_TACITE	0-1
	idFactureTravaux			Number: technical identifier of the work invoice within the CPP 2017 system=	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1

				String: creation date of the work invoice	date	Date format: AAAA-MM-JJTHH:MM:SS+HH:SS	1
	dateCreationFactureTravaux						
	numeroFactureTravaux			String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value	1
	etatFactureTravaux			String: current status of the work invoice	varchar(50)	Enumeration with 37 possible values: - BROUILLON [DRAFT] - A_VALIDER_1 [TO VALIDATE 1] - ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - REFUSEE_1 [REFUSED 1] - VALIDEE_1 [VALIDATED 1] - A_VALIDER_2 [TO VALIDATE 2] - ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] - ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - REFUSEE_2 [REFUSED 2] - VALIDEE_2 [VALIDATED 2] - A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER]	1

						- ERREUR_DE_MOE [ERROR ON PROJECT MANAGER] - REFUSEE_MOE [REFUSED BY PROJECT MANAGER] - MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER] - PRISE_EN_COMPTE_MOE [TAKEN IN ACCOUNT BY PROJECT MANAGER] - A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY] - ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY] - REFUSEE_MOA [REFUSED BY CONTRACTING AUTHORITY] - A_ASSOCIER_FOURNISSEUR [TO ASSOCIATE WITH SUPPLIER] - REFUSEE_FOURNISSEUR [REFUSED BY SUPPLIER] - SUSPENDUE [PAUSED] - A_COMPLETER [TO COMPLETE] - ASSOCIEE [ASSOCIATED] - DEPOSEE [DEPOSITED] -	

						MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - A_RECYCLER [TO RECYCLE] - COMPLETEE [COMPLETED] - TRANSMISE_MOA - PRISE_EN_COMPTE _DESTINATAIRE - REJETEE [REJECTED] - SERVICE_FAIT [SERVICE RENDERED] - MANDATEE [MANDATED] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - MISE_EN_PAIEMENT [PAYMENT]	
	dateHeure EtatCourant			String: date of getting to the current status of the work invoice	date	Datefield: AAAA-MM-JJThh:mm:ss	1
	modeDepot			String: deposit mode of the work invoice	varchar(50)	Enumeration with 7 possible values: - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE _PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE _API - EDI - UPLOAD_PORTAIL - UPLOAD_API -	1
	identifiantD estinataire			String: identifier of the	varchar(14)	Alphanumeric value	0-1

				work invoice recipient		This is the recipient's SIRET.	
	designation Destinataire			String: designation of the work invoice's recipient	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
	codeService Executant			String: service code of the work invoice recipient	varchar(100)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
	nomService Executant			String: description of the recipient service of the work invoice	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
	identifiantF ournisseur			String: supplier ID	varchar(80)		1
	raisonSociale Fournisseur			String: corporate name of the supplier	varchar(255)		1
	codeService Fournisseur			String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
	nomService Fournisseur			String: supplier's service name	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
	codeCadreF acturationT ravaux			String: Invoicing frameworkwor k invoicing framework code	varchar(50)	Enumeration avec 18 possible values: - A4_PROJET_DECOM PTE_MENSUEL_FOU RNISSEUR - A5_ETAT_ACOMPTE _FOURNISSEUR - A6_ETAT_ACOMPTE _VALIDE_FOURNIS SEUR -	1

| | | | | | | | A7_PROJET_DECOMPTE_FINAL_FOURNISSEUR
-
A8_DECOMPTE_GENERAL_DEFINITIF_FOURNISSEUR
- -
A10_DP_DE_SOUS TRAITANT_TRAVAUX
-
A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT
-
A14_PROJET_DECOMPTE_FINAL_COTRAITANT
-
A15_ETAT_ACOMPTE_MOE
-
A16_ETAT_ACOMPTE_VALIDE_MOE
-
A17_PROJET_DECOMPTE_GENERAL_MOE
-
A18_DECOMPTE_GENERAL_MOE
-
A19_ETAT_ACOMPTE_VALIDE_MOA
-
A20_DECOMPTE_GENERAL_MOA
-
A22_PROJET_DECOMPTE_GENERAL_FOURNISSEUR_PROCEDURE_TACITE
-
A23_DECOMPTE_GENERAL_DEFINITIF_TACITE_FOURNISSEUR
-
A24_DECOMPTE_GENERAL_DEFINITIF_TACITE_MOE | |

						- A25_DECOMPTE_G ENERAL_DEFINITIF _MOE_PROCEDURE _TACITE	
	identifiantV alideur1			String: first validator's identifier	varchar(80)		0-1
	raisonSocial eValideur1			String: corporate name of the first validator	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
	identifiantV alideur2			String: second validator's identifier	varchar(80)		0-1
	raisonSocial eValideur2			String: corporate name of the second validator	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
	identifiantM oe			String: identifier of the Project Manager	varchar(80)		0-1
	raisonSocial eMoe			String: corporate name of the Project Manager	varchar(201)		0-1
	codeService Moe			String: Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
	nomService Moe			String: label of the Project Manager's service	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
	identifiantM oa			String: identifier of the Contracting Authority	varchar(80)		0-1
	raisonSocial eMoa			String: corporate name of the Contracting Authority	varchar(201)		0-1
	codeService Moa			String: service code of the	varchar(100)	Alphanumeric value If Service.estPremier	0-1

				Contracting Authority		Service = true, then this attribute is not entered.	
nomService Moa				String: Contracting Authority's service label	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
idPiecePrec edente				Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer		1
idPieceSuiv ante				Number: technical identifier of the following piece in the CPP 2017 system	integer		1
dateFacture Travaux				String: work invoicing date	date	Datefield: AAAA-MM-JJTHH:MM:SS+HH: SS	0-1
dateDepot				String: Submission date of the work invoice	date	Datefield: AAAA-MM-JJTHH:MM:SS+HH: SS	0-1
numeroMar che				String: contract number	varchar(50)		0-1
numeroBon commande				String: purchase order number	varchar(50)		0-1
modePaiem ent				String: payment mean	varchar(40)		0-1
montantHtT otal				Number: tax-free amount of the work invoice after rebate	decimal(19, 6)		0-1
montantTtc Total				Number: tax-included amount of the work invoice after rebate	decimal(19, 6)		0-1
montantAP ayer				Number: payable	decimal(19, 6)		0-1

				amount of the invoice			
			History				
	historiqueD emandePai ement			Liste: history list of the work invoice status changes			0-n
		dateHeure		String: date of getting to the historical status	Date	Datefield: AAAA-MM-JJTHH:MM:SS+HH:SS	1
		etat		String: value of the history of the work invoice status	varchar(50)		1
		commentair e		String: comment during the work invoice processing	varchar(255)		0-n
		qui		String: identity of the changer of status: corporate name of the structure + « » + name of the service which changed the status	varchar(255)		1
			List of attachments				
listeDesP iecesJoin tes							0-1
	pieceJointe				Liste		1-n
		pieceJointe Id		Number: Technical ID of the attachment in the system	integer		1
		pieceJointe Reference		String: reference of the attachment	varchar(50)		
		pieceJointe Designatio n		String: free description of the attachment	varchar(255)		1
		pieceJointe EstModifia ble		Booleen: indicates if the attachment could be modified	boolean		
		pieceJointe EstPrincipa le		Booleen: indicates if the attachment is the main attachment or not	Boolean		
		pieceJointe TypeCode		String: code of attachment's type	varchar(30)		1
		pieceJointe IdLiaison		Number: technical identifier of the	integer		1

				link between the invoice and the attachment in the system			
		pieceJointe Reference Sma		String: reference of the attachment in the SMA	varchar(255)		
		pieceJointe Fichier		Number: technical identifier of the associated binary file	integer		
	pageCouran teListePiece sJointe			Number: number of the current page	integer		0-1
	pagesListeP iecesJointe			Number: Number of pages returned by the research	integer		0-1
	nbResultats ParPageList ePiecesJoin te			Number: number of results per page	integer		0-1
	totalListePi ecesJointe			Number: number of results returned by the research	integer		0-1

Error table

Error code	Description	Associated error message
20000	The invoicing file does not exist	GFT_MSG_01.056
20001	The user cannot view the invoicing file	GFT_MSG_01.103
20002	No result found	GFT_MSG_01.075

2.3.1.2 Consult work invoice

The method consulterFactureTravaux allows to show the information from a work invoice.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	The technical identifier uniquely identifies the work invoice within the CPP 2017 system.		1
codeLangue		String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1
Research parameters of the list of attachments						
pListePiecesJointes						0-1
	pageResultatDemandeeListePieceJointe	Number: number of the attachment's list results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPageListePieceJointe	Number: Number of results per page that can be returned by the research of the attachment's list	integer	By default, the service returns 10 results per page.		0-1
	triSensListePiecesJointes	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonneListePiecesJointes	String: reference column of the sorting	–	Enumeration with 4 possible values: - PieceJointeTypeCode - PieceJointeTypeLibelle - PieceJointeDesignation - PieceJointeExtension By default, the sorting is performed on the field "PieceJointeDesignation".		0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
factureTravaux							1
	idFactureTravaux			Number: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
	numeroFactureTravaux			String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	statutFactureTravaux			String: current status of the work invoice	varchar(50)	Enumeration with 37 possible values: - BROUILLON [DRAFT] - A_VALIDER_1 [TO VALIDATE 1] - ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] - ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] - REFUSEE_1 [REFUSED 1] - VALIDEE_1 [VALIDATED 1] - A_VALIDER_2 [TO VALIDATE 2] - ERREUR_COTRAITANT_SUR_VALIDEUR	1

						[ERROR ON VALIDATOR BY COCONTRACTOR] - ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] - REFUSEE_2 [REFUSED 2] - VALIDEE_2 [VALIDATED 2] - A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER] - ERREUR_DE_MOE [ERROR ON PROJECT MANAGER] - REFUSEE_MOE [REFUSED BY PROJECT MANAGER] - MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER] - PRISE_EN_COMPTE_MOE [TAKEN IN ACCOUNT BY PROJECT MANAGER] - A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY] - ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY] - REFUSEE_MOA [REFUSED BY CONTRACTING AUTHORITY]	

					- A_ASSOCIER_FOURNISSEUR [TO ASSOCIATE WITH SUPPLIER] - REFUSEE_FOURNISSEUR [REFUSED BY SUPPLIER] - SUSPENDUE [PAUSED] - A_COMPLETER [TO COMPLETE] - ASSOCIEE [ASSOCIATED] - DEPOSEE [DEPOSITED] - MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - A_RECYCLER [TO RECYCLE] - COMPLETEE [COMPLETED] - REJETEE [REJECTED] - SERVICE_FAIT [SERVICE RENDERED] - MANDATEE [MANDATED] - COMPTABILISEE [ACCOUNTED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - MISE_EN_PAIEMENT [PAYMENT] - MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER] -TRANSMISE_MOA - PRISE_EN_COMPTE_DESTINATAIRE	

modeDepot			String: deposit mode of the work invoice	varchar(50)	Enumeration with les possible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION	1
Destinataire						
	destinataire					0-1
		idDestinataire	Number: technical identifier of the recipient in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
		identifiantDestinataire	String: identifier of the work invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
		designationDestinataire	String: designation of the work invoice's recipient	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
		idServiceExecutant	Number: technical identifier of the recipient service in CPP 2017	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1

		codeService Executant		String: service code of the work invoice recipient	varchar(100)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
		nomService Executant		String: description of the recipient service of the work invoice	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		adresseDes tinataireDet ail		String: detail of the recipient's address	varchar(100)		0-1
		adresseDes tinataireCo mplement1		String: address' first complement about the recipient	varchar(100)		0-1
		adresseDes tinataireCo mplement2		String: address' second complement about the recipient	varchar(100)		0-1
		adresseDes tinataireCo dePostal		String: postal code of the recipient	varchar(10)		0-1
		adresseDes tinataireVill e		String: city of the recipient	varchar(50)		0-1
		adresseDes tinataireCo dePays		String: country code of the recipient	varchar(2)		0-1
		adresseDes tinataireLib ellePays		String: country description of the recipient	varchar(100)		0-1
Fournisseur							
	fournisseur						1
		idFournisse ur		Number: technical identifier of the supplier in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1

		typeIdentifiantFournisseur		String: identifier type of the supplier	varchar(30)		1
		identifiantFournisseur		String: supplier ID	varchar(80)		1
		raisonSocialeFournisseur		String: corporate name of the supplier	varchar(255)		0-1
		nomFournisseur		String: name of the supplier's deputy	varchar(100)	Informed if TypeIdentifiant = PARTICULIER et DemandePaiement.etatCourant=BROUILLON [DRAFT]	0-1
		prenomFournisseur		String: surname of the supplier's deputy	varchar(100)	Informed if TypeIdentifiantFournisseur = PARTICULIER et DemandePaiement.etatCourant=BROUILLON [DRAFT]	0-1
		idServiceFournisseur		Number: technical ID of the supplier's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
		codeServiceFournisseur		String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
		nomServiceFournisseur		String: supplier's service name	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
		adresseFournisseurDetail		String: detail of the supplier's address	varchar(100)		0-1
		adresseFournisseurComplement1		String: first complement of the supplier's address	varchar(100)		0-1

		adresseFournisseurComplement2		String: second complement of the supplier's address	varchar(100)		0-1
		adresseFournisseurCodePostal		String: postal code of the supplier's address	varchar(10)		0-1
		adresseFournisseurVille		String: city of the supplier's address	varchar(50)		0-1
		adresseFournisseurCodePays		String: country's code of the supplier's address	varchar(2)		0-1
		adresseFournisseurLibellePays		String: country's description of the supplier's address	varchar(100)		0-1
		numeroRcsFournisseur		String: RCS tax identification of the supplier	varchar(100)	Alphanumeric value	0-1
		coordBancairesCleIban		String: IBAN key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
		coordBancairesCleRib		String: RIB key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
		coordBancairesCodeBanque		String: bank code of the supplier's bank details	varchar(8)	Alphanumeric value	0-1
		coordBancairesCodeGuichet		String: sort code of the supplier's bank details	varchar(5)	Alphanumeric value	0-1
		coordBancairesBicSwift		String: BIC/SWIFT number of the supplier's bank details	varchar(11)	Alphanumeric value	0-1
		coordBancairesCodePays		String: country code of the supplier's bank details	varchar(2)		0-1
		coordBancairesCompteBancaire		String: bank account of the supplier's bank details	varchar(30)	Alphanumeric value	0-1

		coordBanca iresId		Number: ID of the supplier's bank details	integer		0-1
		coordBanca iresType		String: type of the supplier's bank details	varchar(4)	Enumeration with 2 possible values: - IBAN - RIB	0-1
		coordBanca iresLibelle		String: label of the supplier's bank details	varchar(25 5)	Alphanumeric value	0-1
		affactureur					0-1
			affactureurI d	Number: technical identifier of the factor in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
			affactureur Code	String: identifier of the factor	varchar(80)		0-1
			affactureur TypeIdentifi ant	String: factor's identifier type	varchar(30)		0-1
			affactureur RaisonSocia le	String: corporate name of the factor	varchar(25 5)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
			affactureur CodePays	String: country code of the factor	varchar(2)		0-1
	Invoicing framework						
	cadreDeFac turation						1
		codeCadreF acturationT ravaux		String: Invoicing frameworkwork invoicing framework code	varchar(50)	Enumeration with 18 possible values: - A4_PROJET_DECOM PTE_MENSUEL_FOU RNISSEUR -	1

						A5_ETAT_ACOMPTE_FOURNISSEUR - A6_ETAT_ACOMPTE_VALIDE_FOURNISSEUR - A7_PROJET_DECOMPTE_FINAL_FOURNISSEUR - A8_DECOMPTE_GENERAL_DEFINITIF_FOURNISSEUR - A10_DP_DE_SOUSTRAITANT_TRAVAUX - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT - A15_ETAT_ACOMPTE_MOE - A16_ETAT_ACOMPTE_VALIDE_MOE - A17_PROJET_DECOMPTE_GENERAL_MOE - A18_DECOMPTE_GENERAL_MOE - A19_ETAT_ACOMPTE_VALIDE_MOA - A20_DECOMPTE_GENERAL_MOA - A22_PROJET_DECOMPTE_GENERAL_FOURNISSEUR_PROCEDURE_TACITE - A23_DECOMPTE_G	

						ENERAL_DEFINITIF _TACITE_FOURNIS SEUR - A24_DECOMPTE_G ENERAL_DEFINITIF _TACITE_MOE - A25_DECOMPTE_G ENERAL_DEFINITIF _MOE_PROCEDURE _TACITE	
		idValideur1		Number: technical identifier of the first validator in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifi antValideur 1		String: first validator's identifier type	varchar(30)		0-1
		identifiantV alideur1		String: first validator's identifier	varchar(80)		0-1
		raisonSocial eValideur1		String: corporate name of the first validator	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
		nomValideu r1		String: first validator's corporate name	varchar(10 0)	Informed if TypeIdentifiant = PARTICULIER	0-1
		prenomVali deur1		String: name of the first validator's deputy	varchar(10 0)	Informed if TypeIdentifiant = PARTICULIER	0-1
		dateValidati on1		String: validation date by the first validator	date	Date field: AAAA-MM-JJTHH:MM:SS+HH: SS	0-1
		idValideur2		Number: technical identifier of the second validator in CPP 2017	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifi antValideur 2		String: second validator's identifier type	varchar(30)		0-1
		identifiantV alideur2		String: second validator's identifier	varchar(80)		0-1

		raisonSocial eValideur2		String: corporate name of the second validator	varchar(99)	Informed if TypeIdentifiant <> PARTICULIER	0-1
		nomValideu r2		String: name of the second validator's deputy	varchar(10 0)	Informed if TypeIdentifiant = PARTICULIER	0-1
		prenomVali deur2		String: surname of the second validator's deputy	varchar(10 0)	Informed if TypeIdentifiant = PARTICULIER	0-1
		dateValidati on2		String: validation date by the second validator	date	Date field: AAAA-MM-JJTHH:MM:SS+HH: SS	0-1
		idMoe		Number: technical identifier of the of the Project Manager in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
		typeIdentifi antMoe		String: identifier type of the Project Manager	varchar(30)		0-1
		identifiantM oe		String: identifier of the Project Manager	varchar(80)		0-1
		raisonSocial eMoe		String: corporate name of the Project Manager	varchar(20 1)		0-1
		nomMoe		String: name of the Project Manager's deputy	varchar(10 0)	Informed if TypeIdentifiantMoe = PARTICULIER and DemandePaiement. etatCourant=BROUI LLON [DRAFT]	0-1
		prenomMoe		String: surname of the Project Manager deputy	varchar(10 0)	Informed if TypeIdentifiantMoe = PARTICULIER and DemandePaiement. etatCourant=BROUI LLON [DRAFT]	0-1
		idServiceMo e		Number: technical	integer	This identifier uniquely identifies	0-1

				identifier of the Project Manager's service in the CPP 2017 system		the service within the CPP 2017 system. If Service.estPremier Service = true, then this attribute is not entered.	
		codeService Moe		String: Project Manager's service code	varchar(10 0)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1
		nomService Moe		String: label of the Project Manager's service	varchar(10 0)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		idMoa		Number: technical identifier of the Contracting Authority in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
		identifiantM oa		String: identifier of the Contracting Authority	varchar(80)		0-1
		raisonSocial eMoa		String: corporate name of the Contracting Authority	varchar(20 1)		0-1
		idServiceMo a		Number: technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremier Service = true, then this attribute is not entered.	0-1
		codeService Moa		String: service code of the Contracting Authority	varchar(10 0)	Alphanumeric value If Service.estPremier Service = true, then this attribute is not entered.	0-1

				String: label of the Contracting Authority's service	varchar(100)	If Service.estPremier Service = true, then this attribute is not entered.	0-1
		nomService Moa					
				Preceding piece			
	piecePreced ente					These parameters are only displayed if the current works invoice has been created from a previous document.	0-1
		cadreFactur ationPieceP recedente		String: invoicing framework of the preceding piece	varchar(50)		1
		idPiecePrec edente		Number: technical identifier of the preceding piece in the CPP 2017 system	integer		1
		numeroPiec ePrecedent e		String: number of the preceding piece	varchar(20)		1
		idDestinatai rePiecePrec edente		Number: technical identifier of the recipient structure of the preceding piece in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
		identifiantD estinataireP iecePrecede nte		String: identifier of the recipient structure of the preceding piece in the CPP 2017 system	varchar(14)	Alphanumeric value There is the SIRET number of the recipient of the preceding piece.	1
		raisonSocial eDestinatai rePiecePrec edente		String: corporate name of the recipient structure of the preceding piece in the CPP 2017 system	varchar(99)		1

	idServiceExecutantPiecePrecedente		Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutantPiecePrecedente		String: service code of the recipient of the preceding piece	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutantPiecePrecedente		String: description of the recipient service of the preceding piece	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
Following piece						
pieceSuivante					These parameters are displayed only if there is a following piece, linked to the current work invoice.	0-1
	cadreFacturationPieceSuivante		String: invoicing framework code of the following piece	varchar(50)		1
	idPieceSuivante		Number: technical identifier of the following piece in the CPP 2017 system	integer		1
	numeroPieceSuivante		String: number of the following piece	varchar(20)		1
Références						
references						1
	dateFactureTravaux		String: work invoicing date	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:SS	0-1

		dateDepot		String: Submission date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:SS	0-1
		codeDevise FactureTrav aux		String: currency code of the work invoice	varchar(3)		1
		libelleDevis eFactureTra vaux		String: currency description of the work invoice	varchar(50)	Multilingual description:the returned description depends on the requested language in the service parameters.	1
		typeFacture Travaux		String: work invoice type	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAIT ANT_TRAVAUX - PROJET_DECOMPTE _MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VA LIDE - PROJET_DECOMPTE _FINAL - PROJET_DECOMPTE _GENERAL - PROJET_DECOMPTE _GENERAL_PROCE DURE_TACITE - DECOMPTE_GENER AL - DECOMPTE_GENER AL_SIGNE - DECOMPTE_GENER AL_DEFINITIF_TACI TE - DECOMPTE_GENER AL_DEFINITIF_PRO CEDURE_TACITE	1

		typeTva		String: VAT type	varchar(50)	Enumeration with 4 possible values: - TVA_SUR_DEBIT - TVA_SUR_ENCAISSEMENT - EXONERATION - SANS_TVA	0-1
		motifExonerationTva		String: reason code for VAT exemption	varchar(5)	Entered only if the VAT type is « Exonéré ».	0-1
		libelleMotifExonerationTva		String: reason label for VAT exemption	varchar(50)	Entered only if the VAT type is « Exonéré ». Multilingual description: the returned description depends on the requested language in the service parameters.	0-1
		numeroMarche		String: contract number	varchar(50)		0-1
		numeroBonCommande		String: purchase order number	varchar(50)		0-1
		modePaiement		String: payment mean	varchar(40)		0-1
		dateCreationFactureTravaux		String: creation date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:SS	1
		dateEcheancePaiement		String: payment date of the invoice, entered by the supplier	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:SS	0-1
		tailleTotalePiecesJointes		String: sum of the size of the attachments of the invoice (in Mb)	decimal(10, 3)		0-1
		numeroDpMandat		String: Payment request number in Chorus or Helios	varchar(31)		0-1
VAT summary							
	recapitulatifDeTva						0-1

		ligneTva			Liste		1-n
			ligneTvaTauxRefId	Number: identifier of the referenced VAT rate	integer	This identifier uniquely identifies the VAT rate within the CPP 2017 system.	0-1
			ligneTvaTauxRefCode	String: referenced VAT rate's code	varchar(6)		0-1
			ligneTvaTauxRefLibelle	String: description of the referenced VAT rate	varchar(50)		0-1
			ligneTvaTauxRefValeur	Number: value of the referenced VAT rate	decimal(5,2)		0-1
			ligneTvaTauxManuel	Number: manual data entry of the VAT rate	decimal(5,2)		0-1
			ligneTvaMontantBaseHtParTaux	Number: basis amount without tax per tax rate	decimal(19,6)		1
			ligneTvaMontantTvaParTaux	Number: total tax amount per tax rate	decimal(19,6)		1
		pageCouranteLignesRecapitulativesTVA		Number: number of the current page	integer		0-1
		pagesLignesRecapitulativesTVA		Number: Number of pages returned by the research	integer		0-1
		nbResultatsParPageLignesRecapitulativesTVA		Number: number of results per page	integer		0-1
		totalLignesRecapitulativesTVA		Number: Number of results returned by the research	integer		0-1
Global amounts							
	montantsTotaux						0-1
		montantHtTotal		Number: tax-free amount of the work	decimal(19,6)		0-1

				invoice after rebate		
		montantTVA		Number: global VAT amount of the work invoice after rebate	decimal(19, 6)		0-1
		montantTtcTotal		Number: tax-included amount of the work invoice after rebate	decimal(19, 6)		0-1
		montantAPayer		Number: payable amount of the work invoice	decimal(19, 6)		0-1
Main attachment
	pieceJointePrincipale						0-1
		idLiaisonPieceJointePrincipale		Number: technical identifier of the link between the work invoice and the attachment in the system	integer	This identifier uniquely identifies the link between the work invoice and the main attachment within the CPP 2017 system.	1
		idPieceJointePrincipale		Number: technical identifier of the main attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	1
List of attachments
	listeDesPiecesJointes						0-1
		pieceJointe			List		1-n
			pieceJointeTypeCode	String: code of attachment's type	varchar(30)		1
			pieceJointeTypeLibelle	String: description of the attachment's type	varchar(50)		1
			pieceJointeDesignation	String: free description of the attachment	varchar(255)		1
			pieceJointeIdLiaison	Number: technical identifier of the	integer		1

				link between the invoice and the attachment in the system			
		pieceJointeId		Number: Technical ID of the attachment in the system	integer		1
		pieceJointe Extension		String: extension of the attachment	varchar(5)		1
	pageCouran teListePiece sJointe			Number: number of the current page	integer		0-1
	pagesListeP iecesJointe			Number: Number of pages returned by the research	integer		0-1
	nbResultats ParPageList ePiecesJoin te			Number: number of results per page	integer		0-1
	totalListePi ecesJointe			Number: Number of results returned by the research	integer		0-1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029
20001	The user cannot view this work invoice	GFT_MSG_01.076

2.3.1.3 Search work invoice

The method rechercherFactureTravaux allows to show a list of work invoices according to the specified criteria.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
roleUtilisateur		String: user role for the research	varchar(20)	Enumeration with 3 possible values: - FOURNISSEUR - MOE - MOA		1
idStructureFournisseur		Number: technical identifier of the supplier in the CPP 2017 system	integer	This identifier uniquely identifies the supplier's structure within the CPP 2017 system.	If RoleUtilisateur = 'FOURNISSEUR': RecupererStructuresActivesPourFactureTravaux Else: Rechercher Structure	0-1
idServiceFournisseur		Number: technical ID of the supplier's service in the CPP 2017 system	integer	This identifier uniquely identifies the supplier's service within the CPP 2017 system.	If RoleUtilisateur = 'FOURNISSEUR': RecupererServicesParStructure Else: Rechercher ServicesStructure	0-1
idStructureMoe		Number: technical identifier of the Project Manager's structure in the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's structure within the CPP 2017 system.	IfRoleUtilisateur = 'MOE': RecupererStructuresActivesPourFactureTravaux Else: Rechercher Structure	0-1
idServiceMoe		Number: technical identifier of the Project Manager's service in the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's service within the CPP 2017 system.	IfRoleUtilisateur = 'MOE': RecupererServicesParStructure Else: Rechercher ServicesStructure	0-1
idStructureMoa		Number: technical identifier of the	integer	This identifier uniquely identifies the Contracting	If RoleUtilisateur =	0-1

		Contracting Authority in the CPP 2017 system		Authority within the CPP 2017 system.	'MOA': RecupererStructuresActivesPourFactureTravaux Else: Rechercher Structure	
idServiceMoa		Number: technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's service within the CPP 2017 system.	If RoleUtilisateur = 'MOA': RecupererServicesParStructure Else: Rechercher ServicesStructure	0-1
listeTypeFactureTravaux		String: list of the work invoicing types	varchar(50) (liste)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT_TRAVAUX - PROJET_DECOMPTE_MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_FINAL - PROJET_DECOMPTE_GENERAL - PROJET_DECOMPTE_GENERAL_PROCEDURE_TACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DECOMPTE_GENERAL_DEFINITIF_TACITE - DECOMPTE_GENERAL_DEFINITIF_PROCEDURE_TACITE This field accept a value among the following: - no element - one element - several elements If there is no element entered, then the fiel dis ignored.	RecupererTypeFactureTravaux	0-n
idDestinataire		Number: technical identifier of the recipient in the CPP 2017 system	integer	This identifier uniquely identifies the recipient structure within the CPP 2017 system.	Rechercher Destinataire	0-1
rechercheSirenDestinataire		Research flag on the recipient SIREN number	boolean	This boolean allows the service to retrieve the SIREN number when it is requested by an API service.		0-1

idServiceExecutant		Number: technical identifier of the recipient service in the CPP 2017 system	integer	This identifier uniquely identifies the recipient service within the CPP 2017 system.	Rechercher ServiceExecutant	0-1
periodeDateDepotDu		String: start date of the submission period	date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM		0-1
periodeDateDepotAu		String: end date of the submission period	date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM		0-1
cadreFacturation		String: Invoicing frameworkinvoicing framework code	varchar(50)	Enumeration with the following possible values: - A4_PROJET_DECOMPTE_MENSUEL_FOURNISSEUR - A5_ETAT_ACOMPTE_FOURNISSEUR - A6_ETAT_ACOMPTE_VALIDE_FOURNISSEUR - A7_PROJET_DECOMPTE_FINAL_FOURNISSEUR - A8_DECOMPTE_GENERAL_DEFINITIF_FOURNISSEUR - A10_PROJET_DECOMPTE_MENSUEL_SOUSTRAITANT - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT - A15_ETAT_ACOMPTE_MOE - A16_ETAT_ACOMPTE_VALIDE_MOE - A17_PROJET_DECOMPTE_GENERAL_MOE - A18_DECOMPTE_GENERAL_MOE - A19_ETAT_ACOMPTE_VALIDE_MOA - A20_DECOMPTE_GENERAL_MOA - A22_PROJET_DECOMPTE_GENERAL_FOURNISSEUR_PROCEDURE_TACITE - A23_DECOMPTE_GENERAL_DEFINITIF_TACITE_FOURNISSEUR - A24_DECOMPTE_GENERAL_DEFINITIF_TACITE_MOE	RecupererCadreFacturation	0-1

				- A25_DECOMPTE_GENERAL_D EFINITIF_MOE_PROCEDURE_ TACITE		
listeStatutC ourant		String: list of the work invoice status on which the research is performed	varcha r(50) (liste)	It is allowed to enter one or more status(es). If no statu sis entered, the research applies no filter on the work invoice status.	RecupererEt atParTypeD emandePaie ment	0-n
PeriodeDate HeureEtatC ourantDu		Date : start date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
PeriodeDate HeureEtatC ourantAu		Date : end date of the current status period	date	Date field : AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
idStructure Valideur		Number: technical identifier of the first/second validator of the work invoice	integer	This identifier uniquely identifies the validator's structure within the CPP 2017 system.	RecupererV alideursPour FactureTrav aux	0-1
periodeDate FactureTrav auxDu		String: start date of the work invoicing period	date	Date field: AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
periodeDate FactureTrav auxAu		String: end date of the work invoicing date	date	Date field: AAAA-MM-JJ or AAAA-MM- JJTHH:MM:SS+HH:MM		0-1
montantHT Min		Number: minimum tax- free amount	decima l(19,6)			0-1
montantHT Max		Number: maximum tax- free amount	decima l(19,6)			0-1
montantTTC Min		Number: minimum tax- included amount	decima l(19,6)			0-1
montantTTC Max		Number: maximum tax- included amount	decima l(19,6)			0-1
montantAPa yerMin		Number: minimum payable amount	decima l(19,6)			0-1
montantAPa yerMax		Number: maximum payable amount	decima l(19,6)			0-1
idCoordonn eeBancaire		Number: identifier of the supplier's bank details	integer		RecupererC oordonnees BancairesVa lides	0-1
numeroFact ureTravaux		String: number of the work invoice	varcha r(20)	This identifier is unique for each supplier. Alphanumeric value		0-1
numeroMar che		String: contract number	varcha r(50)			0-1
numeroBon Commande		String: purchase order number	varcha r(50)		Rechercher Engagemen tJuridique	0-1

modeDepot		String: Deposit mode code	varchar(50)	Enumeration with 7 possible values: - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API	RecupererModeDepot	0-1
modePaiement		String: payment mean ID	varchar(40)	Enumeration with 6 possible values: - ESPECE - CHEQUE - PRELEVEMENT - VIREMENT - AUTRE - REPORT	RecupererModeReglements	0-1
numeroFluxDepot		String: deposit number of the flow contening the invoice	varchar(25)		DeposerFluxFacture	0-1
uniquementSansPieceSuivante		Booléen: indicates if the work invoice is the last document of the invoicing file	Boolean	true: only looking for a work invoice without following document false: looking for work invoices with a following document or not		0-1
avecSansService		String: indicates if the researched work invoices are with or without the structure's service of the user who is managing the research	varchar(30)	This parameter is only applied for the services associated to the structure of the user managing the research (IdServiceFournisseur if RoleUtilisateur = FOURNISSEUR, IdServiceMoe if RoleUtilisateur = MOE and IdServiceMoa if RoleUtilisateur = MOA). 3 values are possible: - UNIQUEMENT_SANS_SERVICE - UNIQUEMENT_AVEC_SERVICE - AVEC_ET_SANS_SERVICE		0-1
flagTelecharge		Booléen: the invoice is downloaded by the following user of the deposit (ofr example : the Project Manager downloads the DMS deposited by a supplier)	Booléen	true: only looking for the downloaded work invoices false: only looking for the work invoices that have not been downloaded		0-1
Sorting and paging parameters						
rechercheFactureTravaux						0-1
	pageResultatDemandee	Number: number of the results	integer	By default, the output is the first page.		0-1

		page to be displayed			
	nbResultats ParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.	0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 57 possible values: - TypeDemandePaiement - IdentifiantFournisseur - TypeIdentifiantFournisseur - DesignationFournisseur - CodeServiceFournisseur - NomServiceFournisseur - IdentifiantMoe - TypeIdentifiantMoe - DesignationMoe - CodeServiceMoe - NomServiceMoe - IdentifiantMoa - DesignationMoa - CodeServiceMoa - NomServiceMoa - IdentifiantDestinataire - DesignationDestinataire - CodeServiceExecutant - NomServiceExecutant - TypeFactureTravaux - NumeroFactureTravaux - DateFactureTravaux - DateDepot - MontantHT - MontantTTC - MontantAPayer - DeviseFactureTravaux - StatutFactureTravaux - NumeroMarche - NumeroBonCommande - NumeroFluxDepot - TypeIdentifiantValideur1 - IdentifantValideur1 - RaisonSocialeValideur1	0-1

			- NomValideur1
			- PrenomValideur1
			-DateValidation1
			- TypeIdentifiantValideur2
			- IdentifantValideur2
			- RaisonSocialeValideur2
			- NomValideur2
			- PrenomValideur2
			-DateValidation2
			- ModeDepot
			- CoordBancairesCleIban
			- CoordBancairesCleRib
			- CoordBancairesCodeBanque
			- CoordBancairesCodeGuichet
			- CoordBancairesBicSwift
			- CoordBancairesCodePays
			- CoordBancairesCompteBancaire
			- CoordBancairesNomCb
			- AffactureurCode
			- AffactureurTypeIdentifiant
			- AffactureurRaisonSociale
			- NumeroPiecePrecedente
			- NumeroPieceSuivante
			By default, the sorting is performed on the field "DateDepot".

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametres Retour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of work invoices to be displayed					
listeFactures Travaux			List		0-n

	idFactureTravaux	Number: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
	dossierFacturation	Number: technical identifier of the invoicing file within the CPP 2017 system. This identifier is equal to the identifier of the first work invoice.	integer		1
	typeDemandePaiement	String: type of payment request	varchar(50)		1
	idFournisseur	Number: technical identifier of the supplier within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiantFournisseur	String: supplier ID	varchar(80)	Supplier functional identifier	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(50)		1
	designationFournisseur	String: designation of the issuing supplier	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceFournisseur	String: supplier's service name	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idMoe	Number: technical identifier of the Project Manager in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	identifiantMoe	String: identifier of the Project Manager	varchar(80)		0-1
	typeIdentifiantMoe	String: identifier type of the Project Manager	varchar(30)		0-1
	designationMoe	String: designation of the Project Manager	varchar(201)		0-1

	idServiceMoe	Number: technical identifier of the Project Manager's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceMoe	String: Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoe	String: label of the Project Manager's service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idMoa	Number: technical identifier of the Contracting Authority in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	identifiantMoa	String: identifier of the Contracting Authority	varchar(80)		0-1
	designationMoa	String: designation of the Contracting Authority	varchar(201)		0-1
	idServiceMoa	Number: technical identifier of the Contracting Authority's service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceMoa	String: service code of the Contracting Authority	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoa	String: label of the Contracting Authority's service	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Number: tehnical identifier of the recipient within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	identifiantDestinataire	String: identifier of the work invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	0-1
	designationDestinataire	String: recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	0-1
	idServiceExecutant	Number: technical identifier of the	integer	This identifier uniquely identifies the service within	0-1

			executing service within the CPP 2017 system	the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutant	String: executing service's name	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	typeFactureTravaux	String: Works invoice type	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT_TRAVAUX - PROJET_DECOMPTE_MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_FINAL - PROJET_DECOMPTE_GENERAL - PROJET_DECOMPTE_GENERAL_PROCEDURE_TACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DECOMPTE_GENERAL_DEFINITIF_TACITE - DECOMPTE_GENERAL_DEFINITIF_PROCEDURE_TACITE	1
	numeroFactureTravaux	String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
	dateFactureTravaux	String: work invoicing date	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	dateDepot	String: Submission date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1

	montantHT	Number: amount excluding tax of the work invoice	decimal(19,6)		0-1
	montantTTC	Number: amont including tax of the work invoice	decimal(19,6)		0-1
	montantAPayer	Number: payable amount of the work invoice	decimal(19,6)		0-1
	deviseFactureTravaux	String: currency of the work invoice	varchar(3)		1
	statutFactureTravaux	String: current status of the work invoice	varchar(50)		1
	dateHeureEtatCourant	Date : date of the invoice current status	date	Date field : AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	commentaireEtatCourant	String : comment on the current status	varchar(255)		0-1
	numeroMarche	String: contract number	varchar(50)		0-1
	numeroBonCommande	String: purchase order number	varchar(50)		0-1
	numeroFluxDepot	String: deposit number of the flow contening the invoice	varchar(25)	This data is available only if the invoice was issued by flow.	0-1
	typeIdentifiantValideur1	String: first validator's identifier type	varchar(30)		0-1
	identifiantValideur1	String: first validator's identifier	varchar(80)		0-1
	raisonSocialeValideur1	String: first validator's corporate name	varchar(99)	Entered if TypeIdentifiant <> PARTICULIER	0-1
	nomValideur1	String: name of the first validator's deputy	varchar(100)	Entered if TypeIdentifiant = PARTICULIER	0-1
	prenomValideur1	String: surname of the first validator's deputy	varchar(100)	Entered if TypeIdentifiant = PARTICULIER	0-1
	dateValidation1	String: validation date by the first validator	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	typeIdentifiantValideur2	String: second validator's identifier type	varchar(30)		0-1
	identifiantValideur2	String: second validator's identifier	varchar(80)		0-1

	raisonSocialeValideur2	String: second validator's corporate name	varchar(99)	Entered if TypeIdentifiant <> PARTICULIER	0-1
	nomValideur2	String: name of the second validator's deputy	varchar(100)	Entered if TypeIdentifiant = PARTICULIER	0-1
	prenomValideur2	String: surname of the second validator's deputy	varchar(100)	Entered if TypeIdentifiant = PARTICULIER	0-1
	dateValidation2	String: validation date by the second validator	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	modeDepot	String: deposit mode of the work invoice	varchar(50)	Enumeration with 7 possible values: DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API	1
	coordBancairesCleIban	String: IBAN key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
	coordBancairesCleRib	String: RIB key of the supplier's bank details	varchar(2)	Alphanumeric value	0-1
	coordBancairesCodeBanque	String: bank code of the supplier's bank details	varchar(10)	Alphanumeric value	0-1
	coordBancairesCodeGuichet	String: sort code of the bank details	varchar(5)	Alphanumeric value	0-1
	coordBancairesBicSwift	String: BIC/SWIFT number of the bank details	varchar(11)	Alphanumeric value	0-1
	coordBancairesCodePays	String: country code of the bank details	varchar(2)		0-1
	coordBancairesCompteBancaire	String: bank account of the supplier's bank details	varchar(11)	Alphanumeric value	0-1
	coordBancairesNomCb	String: name of the supplier's bank details	varchar(255)	Uniquely identifies the bank detail	0-1
	affactureurCode	String: identifier of the factor	varchar(80)		0-1
	affactureurTypeIdentifiant	String: factor's id type	varchar(14)		0-1
	affactureurRaisonSociale	String: factor's corporate name	varchar(201)	This data is a string of characters which corresponds to the corporate name of the	0-1

				structure or the concatenated name and surname of its deputy.	
	idPiecePrecedente	Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer		0-1
	numeroPiecePrecedente	String: number of the preceding document	varchar(20)		0-1
	idPieceSuivante	Number: technical identifier of the following piece in the CPP 2017 system	integer		0-1
	numeroPieceSuivante	String: number of the following piece	varchar(20)		0-1
	flagTelecharge		boolean	By default, all the invoices flagged "true" ou "false" must be returned.	1

Error table

Error code	Description	Associated error message
GFT-CU-01-SER-22 – Rechercher des factures de travaux		
20000	The user is not authorized on the work invoices area	GFT_MSG_01.050
20001	The user is not authorized on the work invoices area of the selected supplier's structure or service	GFT_MSG_01.062
20002	The user is not authorized on the work invoices area of the selected supplier's structure	GFT_MSG_01.070
20003	The user is not authorized on the work invoices area of the selected Project Manager's structure or service	GFT_MSG_01.071
20004	The user is not authorized on the work invoices area of the selected Project Manager's structure	GFT_MSG_01.072
20005	The user is not authorized on the work invoices area of the selected Contracting Authority's structure or service	GFT_MSG_01.073
20006	The user is not authorized on the work invoices area of the selected Contracting Authority's structure	GFT_MSG_01.074
20007	No result found	GFT_MSG_01.075
20008	The start date must be previous than the end date.	TRA_MSG_09.007

2.3.1.4   Search work invoice to be processed

The method RechercherFactureTravauxATraiter allows to show the documents, according to the work invoice status, to be processed by the one researching.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idStructure		Number: technical identifier of the structure within the CPP 2017 system	integer	This identifier uniquely identifies the structure within the CPP 2017 system.	RecupererStructuresActivesPourFactureTravaux	0-1
roleUtilisateur		String: user role for the research	varchar(20)	Enumeration with 3 possible values: - FOURNISSEUR - MOE - MOA		1
masquerRejetee		Booleen: returns (or not) all the invoices (rejected or not since the number of days parametered in back office)	Boolean	The default value is false.false: returning all the invoices true: returning all the invoices, except those that have been passed to the REJECTED » status since a number of days strictly greater than the value [DELAI_AFFICHAGE_REJET] parametered in back office		0-1
Sorting and paging parameters						
rechercheFactureTravauxATraiter						0-1
	pageResultatDemandee	Number: number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1

triColonne	String: reference column of the sorting	-	Enumeration with 32 possible values: - TypeDemandePaiement - IdentifiantFournisseur - TypeIdentifiantFournisseur - DesignationFournisseur - CodeServiceFournisseur - NomServiceFournisseur - IdentifiantMoe - TypeIdentifiantMoe - DesignationMoe - CodeServiceMoe - NomServiceMoe - IdentifiantMoa - DesignationMoa - CodeServiceMoa - NomServiceMoa - IdentifiantDestinataire - DesignationDestinataire - CodeServiceExecutant - NomServiceExecutant - CadreFacturation - TypeFactureTravaux - NumeroFactureTravaux - DateFactureTravaux - DateDepot - MontantHT - MontantTTC - MontantAPayer - DeviseFactureTravaux - StatutFactureTravaux - DateStatut - NumeroMarche - NumeroBonCommande By default, the sorting is performed on the field "DateStatut".		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of invoices to be processed					
listeFacturesTravaux			List		0-n
	idFactureTravaux	Number: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
	typeDemandePaiement	String: type of payment request	varchar(50)		1
	identifiantFournisseur	String: supplier ID	varchar(80)	Supplier functional identifier	1
	typeIdentifiantFournisseur	String: identifier type of the supplier	varchar(50)		1
	designationFournisseur	String: designation of the issuing supplier	varchar(201)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	0-1
	codeServiceFournisseur	String: supplier's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceFournisseur	String: supplier's service name	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idMoe	Number: technical identifier of the Project Manager's	integer	This technical identifier uniquely identifies the	0-1

		structure within the CPP 2017 system		structure within the CPP 2017 structure	
	identifiantMoe	String: identifier of the Project Manager	varchar(80)	Functional identifier of the Project Manager	0-1
	typeIdentifiantMoe	String: identifier type of the Project Manager	varchar(50)		0-1
	designationMoe	String: designation of the Project Manager	varchar(100)	This data is a string of characters which corresponds to the corporate name of the supplier or the concatenated name and surname of its deputy.	0-1
	idServiceMoe	Number: technical identifier of the Project Manager's service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceMoe	String: Project Manager's service code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoe	String: name of the Project Manager's service	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idMoa	Number: technical identifier of the Contracting Authority's structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	0-1
	identifiantMoa	String: identifier of the Contracting Authority	varchar(80)	Functional identifier of the Contracting Authority	0-1
	designationMoa	String: designation of the Contracting Authority	varchar(100)	Alphanumeric value This value is the SIRET number of the Contracting Authority	0-1
	idServiceMoa	Number: technical identifier of the Contracting Authority's service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierServi	0-1

				ce = true, then this attribute is not entered.	
	codeServiceMoa	String: service code of the Contracting Authority	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceMoa	String: name of the Contracting Authority's service	varchar(255)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	idDestinataire	Number: technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiantDestinataire	String: identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	1
	designationDestinataire	String: recipient's designation	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	idServiceExecutant	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system. If Service.estPremierService = true, then this attribute is not entered.	0-1
	codeServiceExecutant	String: executing service's code	varchar(100)	Alphanumeric value If Service.estPremierService = true, then this attribute is not entered.	0-1
	nomServiceExecutant	String: executing service's name	varchar(100)	If Service.estPremierService = true, then this attribute is not entered.	0-1
	cadreFacturation	String: work invoicing framework	varchar(100)		0-1
	typeFactureTravaux	String: Works invoice type	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT	1

				_TRAVAUX - PROJET_DECOMPTE_M ENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALID E - PROJET_DECOMPTE_FI NAL - PROJET_DECOMPTE_GE NERAL - PROJET_DECOMPTE_GE NERAL_PROCEDURE_T ACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_ SIGNE - DECOMPTE_GENERAL_ DEFINITIF_TACITE - DECOMPTE_GENERAL_ DEFINITIF_PROCEDURE _TACITE	
	numeroFactureTr avaux	String: number of the work invoice	varchar(20)		1
	dateFactureTrav aux	String: date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	dateDepot	String: Submission date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	montantHT	Number: amount excluding tax of the work invoice	decimal(19,6)		0-1
	montantTTC	Number: amont including tax of the work invoice	decimal(19,6)		0-1
	montantAPayer	Number: payable amount of the work invoice	decimal(19,6)		0-1
	deviseFactureTra vaux	String: currency of the work invoice	varchar(3)		1
	statutFactureTra vaux	String: current status of the work invoice	varchar(50)	The returned statuses depend on the role of the user (who manages the research) and the depositor :	1

				If Role = fournisseur: If déposant = Fournisseur - DemandePaiement.etat Courant is equal to one of the following values: o BROUILLON [DRAFT] o ERREUR_FOURNISSEU R_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] o ERREUR_DE_MOE [ERROR ON PROJECT MANAGER] o SUSPENDUE [PAUSED] o A_COMPLETER [TO COMPLETE] o ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY] o A_RECYCLER [TO RECYCLE] o ABSENCE_VALIDATION _1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] o ABSENCE_VALIDATION _2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] o REJETEE [REJECTED] If Déposant <> Fournisseur - DemandePaiement.etat Courant is equal to one of the following values: o TRANSMISE_MOA	

				o A_ASSOCIER_FOURNISSEUR [TO ASSOCIATE WITH SUPPLIER]	

o
A_ASSOCIER_FOURNIS
SEUR [TO ASSOCIATE
WITH SUPPLIER]

If Role = Project
Manager
:
If déposant = Project
Manager

-
DemandePaiement.etat
Courant is equal to one
of the following values:
o   BROUILLON
[DRAFT]
o   SUSPENDUE
[PAUSED]
o   A_COMPLETER [TO
COMPLETE]
o   ERREUR_DE_MOA
[ERROR ON
CONTRACTING
AUTHORITY]
o   A_RECYCLER [TO
RECYCLE]
o   REJETEE
[REJECTED]

 If déposant <> Project
Manager
-
DemandePaiement.etat
Courant is equal to one
of the following values:
o   A_ASSOCIER_MOE
[TO ASSOCIATE WITH
PROJECT MANAGER]
o
MISE_A_DISPOSITION
_MOE [AVAILABLE TO
PROJECT MANAGER]
 Note: a user,
connected to the
Project Manager, views
all the work invoices
that he must process.
The user must be
connected (the
connection must be
valid) to the Project

				Manager's service of the work invoice and have access to the Work Invoices area of this service. The user can also be connected (the connection must be valid) to the default technical service of the Project Manager's structure and must have access to the Work Invoices area of these default technical service.	
				If Role = Contracting Authority: If Depositor = Contracting Authority - DemandePaiement.etat Courant is equal to one of the following values: o BROUILLON [DRAFT] o SUSPENDUE [PAUSED] o A_COMPLETER [TO COMPLETE] o A_RECYCLER [TO RECYCLE] o REJETEE [REJECTED] If Depositor <> Contracting Authority - DemandePaiement.etat Courant is equal to one of the following values: o A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY] o MISE_A_DISPOSITION _MOA [AVAILABLE TO CONTRACTING AUTHORITY]	

				Note: a user, connected to the Contracting Authority, views all the work invoices that he must process. The user must be connected (the connection must be valid) to the Contracting Authority's service of the work invoice and have access to the Work Invoices area of this service. The user can also be connected (the connection must be valid) to the default technical service of the Contracting Authority's structure and must have access to the Work Invoices area of these default technical service.	
	dateStatut	String: date of the current status of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
	numeroMarche	String: contract number	varchar(50)		0-1
	numeroBonCommande	String: purchase order number	varchar(50)		0-1
	flagTelecharge	boolean: downloaded invoice or not	boolean	By default, all invoices tagged "true" or "false" must be returned.	1

Error table

Error code	Description	Associated error message
20000	The user is not authorized on the work invoices area	The user is not authorized on the work invoices area
20001	The user is not authorized on the work invoices area of the selected structure	The user is not authorized on the work invoices area of the selected structure
20002	No result found	No result found
20003	The selected structure does not fit for the role of Contracting Authority	The selected structure does not fit for the role of Contracting Authority

2.3.1.5   Submit work invoice

The method SoumettreFactureTravaux allows to save and submit an invoice as part of a works contract.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
formatDepot		String: format of the deposited document	varchar(15)	Enumeration with 3 possible values: - PDF_NON_SIGNE - PDF_SIGNE_PADES - PDF_SIGNE_XADES		1
Invoicing framework						
cadreDeFacturation						1
	cadreFacturation	String: Invoicing frameworkinvoicing framework code	varchar(60)	Enumeration with 18 possible values: - A4_PROJET_DECOMPTE_MENSUEL_FOURNISSEUR - A5_ETAT_ACOMPTE_FOURNISSEUR - A6_ETAT_ACOMPTE_VALIDE_FOURNISSEUR - A7_PROJET_DECOMPTE_FINAL_FOURNISSEUR - A8_DECOMPTE_GENERAL_DEFINITIF_FOURNISSEUR - A10_DP_DE_SOUSTRAITANT_TRAVAUX - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT - A15_ETAT_ACOMPTE	RecupererCadreFacturation	1

				_MOE - A16_ETAT_ACOMPTE_VALIDE_MOE - A17_PROJET_DECOMPTE_GENERAL_MOE - A18_DECOMPTE_GENERAL_MOE - A19_ETAT_ACOMPTE_VALIDE_MOA - A20_DECOMPTE_GENERAL_MOA - A22_PROJET_DECOMPTE_GENERAL_FOURNISSEUR_PROCEDURE_TACITE - A23_DECOMPTE_GENERAL_DEFINITIF_TACITE_FOURNISSEUR - A24_DECOMPTE_GENERAL_DEFINITIF_TACITE_MOE - A25_DECOMPTE_GENERAL_DEFINITIF_MOE_PROCEDURE_TACITE		
	idStructureValideur	Number: technical identifier de la structure valideur	integer	This identifier uniquely identifies the structure within the CPP 2017 system. The validator must not be entered if the invoicing framework is a framework of sub- or co-contracting (A10, A13 and A14).	rechercherStructure	0-1
	idStructureMoe	Number: technical identifier of the Project Manager in the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's structure within the CPP 2017 system. This identifier is required if the	If RoleDeposant = 'MOE': rechercherStructureActivesPourFacturesTravauxElse:	0-1

				invoicing framework is A4: PROJET_DECOMPTE_ MENSUEL_FOURNISS EUR or A7: PROJET_DECOMPTE_F INAL_FOURNISSEUR	rechercherStru cture	
	idService Moe	String: technical identifier of the Project Manager's service	integer	This identifier uniquely identifies the service within the CPP 2017 system.	If RoleDeposant = 'MOE': rechercherServ icesStructureEl se: recupererServi cesParStructur e	0-1
Preceding document						
piecePreceden te						0-1
	idPiecePre cedente	Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer		rechercherFact ureTravaux	1
Identification						
identification						1
	numeroFa ctureSaisi	String: number of the work invoice	varchar(20)	Alphanumeric value		1
	dateFactur e	String: date of the work invoice whose submission format is PDF	date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:M M The date the invoice is issued must be earlier than or equal to the date the invoice was deposited in the system.		1
Depositor						
deposant						1

	roleDeposant	String: role of the work invoice depositor	varchar(11)	Enumeration with 3 possible values: - FOURNISSEUR - MOE - MOA		1
	idStructureDeposant	Number: technical identifier of the depositor's structure in the CPP 2017 system	integer	This identifier uniquely identifies the depositor's structure within the CPP 2017 system.	RecupererStructuresActivesPourFactureTravaux	1
	idServiceDeposant	Number: technical identifier of the depositor's service in the CPP 2017 system	integer	This identifier uniquely identifies the depositor's service within the CPP 2017 system.	RecupererServicesParStructure	0-1
Recipient						
destinataire						1
	codeDestinataire	String: functional identifier of the invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	RechercherStructure	1
	codeServiceExecutant	String: service code of the invoice recipient	varchar(100)	Alphanumeric value	RechercherServiceExecutant	0-1
Supplier						
fournisseur						1
	idStructureFournisseur	Number: supplier technical ID in CPP system	integer		RechercherStructure	1
	idServiceFournisseur	Number: technical ID of the supplier's service dans CPP	integer		RechercherServicesStructure	0-1
	idCoordonneesBancairesFournisseur	Number: ID of the supplier's bank details	integer		RecupererCoordonneesBancairesValides	0-1

References						
references						1
	deviseFactureTravaux	String: currency code of the work invoice	varchar(3)		RecupererDevises	1
	typeTva	String: VAT type	varchar(50)	Enumeration with 4 possible values: - TVA_SUR_DEBIT - TVA_SUR_ENCAISSEMENT - EXONERATION - SANS_TVA		1
	motifExonerationTva	String: reason for VAT exemption	varchar(5)	The selection of a reason is required only if the VAT type is « EXONERATION » .	RecupererMotifsExonerationTva	0-1
	numeroMarche	String: contract number	varchar(50)			0-1
	numeroBonCommande	String: purchase order number	varchar(50)	1) If the recipient is the State, then the system controls if a purchase order exists (if entered). (2) If the recipient indicates, in its own parameters, that the purchase order is required (StructurePublique.gestionNumeroEj = TRUE or StructurePublique.gestionNumeroEJOuCodeService and code service not informed), then the system controls that the purchase order is entered. 3) In the others cases, these parameters are not controlled.	RechercherEngagementJuridique	0-1

	modePaie ment	String: payment mean ID	varchar(11)	Enumeration with 6 possible values: - ESPECE - CHEQUE - PRELEVEMENT - VIREMENT - AUTRE - REPORT	RecupererMod eReglements	1
Global amounts						
montantsTota ux						1
	montantHt Total	Number: tax-free amount of the work invoice after rebate	decimal(19,6)			1
	montantT VA	Number: global VAT amount of the work invoice	decimal(19,6)			0-1
	montantR emiseGlob aleTTC	Tax-included global allowance amount	decimal(19,6)			0-1
	motifRemi seGlobale TTC	Reason for tax-included global allowance amount	varchar(1024)			0-1
	montantA Payer	Number: payable amount of the work invoice	decimal(19,6)	The payable amount must not be strictly greater than the tax-included amount.		0-1
VAT summary						
ligneTva			Liste			0-n
	ligneTvaT auxManue l	Number: manual data entry of the VAT rate	decimal(5,2)	If the VAT code is not entered, the manual VAT rate is required.		0-1
	ligneTvaT aux	String: referenced code of the VAT rate	varchar(6)		RecupererTaux Tva	0-1
	lgneTvaMo ntantBase HtParTaux	Number: basis amount without tax per tax rate	decimal(19,6)	Calculation of the tax-free basis amount for each applied VAT rate in the work invoice: tax-free basis amount = sum of tax-free amount after global rebate		1

ligneTvaMontantTvaParTaux	Number: total tax amount per tax rate	decimal(19,6)	Calculation of the VAT amount for each applied VAT rate in the work invoice : VAT amount = sum (tax-free amount after global rebate) x (100 + VAT rate) / 100		1
Main attachment					
pieceJointePrincipale					1
	pieceJointePrincipaleDesignation	String: free description of the attachment	varchar(255)		1
	fichierPieceJointePrincipale	String: base64-encoded PDF file corresponding to the work invoice	file		1
Pièces jointes complémentaires					
pieceJointeComplementaire		Liste			0-n
	pieceJointeComplementaireDesignation	String: free description of the attachment	varchar(255)		1
	pieceJointeComplementaireType	String: type of the complemetary attachment to be added to the work invoice	varchar(30)		RecupererTypesPieceJointe	1
	pieceJointeComplementaireId	String: Technical ID of the attachment in the system	integer	This identifier uniquely identifies the attachment within the 2017 CPP system	RechercherPieceJointeSurStructure OR RechercherPieceJointeSurMonCompte OR AjouterFichierDansSysteme	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

idFactureTrava ux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
identifiantDepo sant		String: functional identifier of the depositor's structure	varchar(80)		1
numeroFacture Travaux		String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value. The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	1
statutFactureTr avaux		String: current status of the work invoice	varchar(50)		1
dateDepotFact ureTravaux		String: Submission date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1

Error table

Error code	Description	Associated error message
Controls on the main attachment		
20000	Virus detected	GFT_MSG_01.001 GFT-CU-01-SER-01.1 Contrôler dépôt PDF unitaire de facture de travaux - contrôles du fichier
20001	The supplied document is not a PDF document	GFT_MSG_01.002 GFT-CU-01-SER-01.1 Contrôler dépôt PDF unitaire de facture de travaux - contrôles du fichier
20002	Incorrect document signature	GFT_MSG_01.003 GFT-CU-01-SER-01.1 Contrôler dépôt PDF unitaire de facture de travaux - contrôles du fichier
20003	The designation of the main attachment must be entered.	GDP_MSG_11.073
20004	The designation of the complementary attachment must be entered.	GDP_MSG_11.074
20005	The input-supplied file encoding does not conform to the encoding standard (base64).	TRA_MSG_00.020
Functional controls GFT-CU-01-SER-01.2 Contrôler dépôt PDF unitaire de facture de travaux - contrôles métier		
20010	The depositor structure {0} does not exist	GFT_MSG_01.004 {0} = IdTechniqueStructureDéposant
20011	The depositor service {0} does not exist	GFT_MSG_01.005 {0} = IdTechniqueServiceDéposant
20012	The depositor {0} service does not correspond to the depositor structure {1}.	GFT_MSG_01.006 {0} = IdTechniqueServiceDéposant {1} = IdTechniqueStructureDéposant
20013	The depositor structure {0} is not active.	GFT_MSG_01.007 {0} = IdTechniqueStructureDéposant
20014	The depositor service {0} is not active	GFT_MSG_01.008 {0} = IdTechniqueServiceDeposant
20015	The selected user is not authorized on the Work Invoice area to modify the selected structure and service	GFT_MSG_01.009
20016	The selected structure does not fit for the role of Contracting Authority	GFT_MSG_01.010
20017	The invoicing framework is not consistent with the selected role	GFT_MSG_01.011
20018	The preceding document does not exist or is not a work invoice	GFT_MSG_01.012
20019	The supplier is different from the one indicated in the preceding document	GFT_MSG_01.013
20020	The Project Manager is different from the one indicated in the preceding document	GFT_MSG_01.014
20021	The Contracting Authority is different from the one indicated in the preceding document	GFT_MSG_01.015
20022	The invoicing framework {0} cannot be used in the case of deposit after an existing document	GFT_MSG_01.016 {0} = cadreFacturation
20023	The current and preceding document's invoice frameworksare not consistent	GFT_MSG_01.019
20024	The invoicing framework {0} cannot be used if the preceding document is a DGS sent to a Contracting Authority	GFT_MSG_01.021 {0} = cadreFacturation
20025	The status of the preceding document does not allow the deposit of a new document in the invoicing file	GFT_MSG_01.023

20026	The DFS is already associated to a DGS, deposited by the Project Manager, which is already associated to a following document. Please ask for association directly by selecting the DGS deposited by the Project Manager.	GFT_MSG_01.024
20027	The preceding document is already associated to a following document which has not been rejected or refused.	GFT_MSG_01.025
20028	The invoicing framework cannot be used for a first deposit ; a pre-existing document is required.	GFT_MSG_01.026
Recipient controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20030	No recipient structure.	GFT_MSG_01.031 {0} = IdTechniqueStructureDestinataire
20031	No recipient service.	GFT_MSG_01.032 {0} = IdTechniqueServiceDestinataire
20032	The recipient service does not correspond to the recipient structure.	GFT_MSG_01.033 {0} = IdTechniqueServiceDestinataire {1} = IdTechniqueStructureDestinataire
20033	The recipient structure is not a public structure.	GFT_MSG_01.034 {0} = IdTechniqueStructureDestinataire
20034	The recipient structure is not active.	GFT_MSG_01.035 {0} = IdTechniqueStructureDestinataire
20035	The recipient service is not active.	GFT_MSG_01.036 {0} = IdTechniqueServiceDestinataire
20036	The recipient structure cannot be uniquely a contracting authority (MOA UNIQUEMENT) for this invoicing frameworkInvoicing framework	GFT_MSG_01.037 {0} = cadreFacturation GFT-CU-01-RGD-38
20037	The recipient service code is required for the recipient structure.	GFT_MSG_01.038
20038	This recipient structure requires a service code or a commitment number.	GFT_MSG_01.039
20039	The recipient structure requires a commitment number.	GFT_MSG_01.042
20040	The recipient service requires a commitment number.	GFT_MSG_01.041
20041	The commitment number does not exist.	GFT_MSG_01.043 {0} = numeroEngagement
20042	Private structures are not able to select the recipient service FACTURES_PUBLIQUES. Please modify the entry.	GDP_MSG_11.072
Supplier's controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20050	The supplier structure {0} does not exist.	GFT_MSG_01.044 {0} = IdTechniqueStructureFournisseur
20051	The supplier service {0} does not exist.	GFT_MSG_01.045 {0} = IdTechniqueServiceFournisseur
20052	The supplier service {0} does not correspond to the supplier structure {1}.	GFT_MSG_01.046 {0} = IdTechniqueServiceFournisseur {1} = IdTechniqueStructureFournisseur
20053	The supplier structure {0} is not active.	GFT_MSG_01.047 {0} = IdTechniqueStructureFournisseur
20054	The supplier service {0} is not active.	GFT_MSG_01.048 {0} = IdTechniqueServiceFournisseur
20055	The user is a supplier ; then, the structure and service of the supplier must be the same as the structure and the service of the depositor.	GFT_MSG_01.049

20056	The supplier is different from the one indicated in the preceding document.	GFT_MSG_01.013
Validator's controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20060	No validator is expected for the invoicing framework {0}.	GFT_MSG_01.051 {0} = cadreFacturation
20061	A validator is required for the invoicing framework {0}.	GFT_MSG_01.052 {0} = cadreFacturation
20062	The validator structure {0} does not exist.	GFT_MSG_01.053 {0} = IdTechniqueStructureValideur
20063	The validator structure {0} is not active.	GFT_MSG_01.054 {0} = IdTechniqueStructureValideur
20064	Caution ! The validator cannot be the recipient of the invoice, please modify the entry.	GDP_MSG_11.081
20065	You are not able to issue sub- and cocontracting invoices with the State as validator.	GDP_MSG_11.080
Project Manager's controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20070	The Project Manager's structure {0} does not exist.	GFT_MSG_01.055 {0} = idTechniqueStructureMOE
20071	The Project Manager's service {0} does not exist.	GFT_MSG_01.056 {0} = idTechniqueServiceMOE
20072	The Project Manager's service {0} does not correspond to the Project Manager's structure {1}.	GFT_MSG_01.057 {0} = idTechniqueServiceMOE {1} = idTechniqueStructureMOE
20073	The Project Manager's structure {0} is not active.	GFT_MSG_01.058 {0} = idTechniqueStructureMOE
20074	The Project manager's service {0} is not active.	GFT_MSG_01.059 {0} = idTechniqueServiceMOE
20075	The Project Manager's structure is required for this invoicing framework {0}.	GFT_MSG_01.060 {0} = cadreFacturation
20076	The user is a Project Manager ; its structure and service must be the same as the structure and service of the depositor.	GFT_MSG_01.061
20077	The Project Manager is different from the one indicated in the preceding document.	GFT_MSG_01.014
Contracting Authority's controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20080	The Contracting Authority is different from the one indicated in the preceding document.	GFT_MSG_01.063
Duplicate controls		
GFT-CU-01-SER-04 Enregistrer un dépôt PDF unitaire de facture de travaux [Register a unique PDF deposit of work invoice]		
20090	There is already a payment request with the invoice number {0}, from the same supplier.	GFT_MSG_01.064 {0} = numeroFactureTravaux
20091	There is already a payment request with the invoice number {0}, from the same supplier and with the same commitment and market numbers.	GFT_MSG_01.065 {0} = numeroFactureTravaux
20092	There is already a payment request with the invoice number {0}, from the same Project Manager.	GFT_MSG_01.066 {0} = numeroFactureTravaux

20093	There is already a payment request with the invoice number {0}, from the same Project Manager with the same commitment and market numbers.	GFT_MSG_01.067 {0} = numeroFactureTravaux
20094	There is already a payment request with the invoice number {0}, from the same Contracting Authority.	GFT_MSG_01.068 {0} = numeroFactureTravaux
Duplicate controls		
20100	The user cannot submit this work invoice.	GFT_MSG_01.069
Controls on the complementary attachments		
20110	The attachment {0}, whose type is {1}, does not exist.	GDP_MSG_11.044 {0} = name of the file {1} = extension of the file
20111	The maximum size of attachments ({0} Mo) is reached.	GDP_MSG_11.039 {0} = maximum size of attachment
20112	The attachment {0} is already used.	TRA_MSG_00.017 {0} = idTechniquePiecejointe
20113	The user {0} is not authorized to use this attachment {1}.	TRA_MSG_00.016 {0} = identifier of the user {1} = idTechniquePieceJointe
Complementary controls		
20120	The currency is not referenced.	GFT_MSG_01.108 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20121	The exemption reason is required.	GFT_MSG_01.109 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20122	The exemption reason is not referenced.	GFT_MSG_01.110 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20123	The payable amount must not be strictly greater than to the tax-included global amount.	GFT_MSG_01.111 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20124	VAT line: the VAT rate is required.	GFT_MSG_01.112 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20125	VAT line: the VAT rate is not referenced.	GFT_MSG_01.113 GDP-CU-01-SER-07 - Enregistrer une pièce jointe d'une facture dans le système (modes portail & service)
20302	The date the invoice is issued must be earlier than or equal to the date the invoice was deposited in the system.	GFT_MSG_99.011
20127	The Project Manager service ({0}) has not the neccessary clearances to access to the area « Factures de travaux » [Work invoices]. Please contact the primary manager of the structure.	GFT_MSG_01.116 {0} = IdTechniqueServiceMOE GFT-CU-01-SER-04
20128	The service {0} has not the necessary clearances as Project Manager service.	GFT_MSG_01.117 {0} = IdTechniqueServiceMOE GFT-CU-01-SER-04
20129	The Project Manager structure {0} has not any service which accesses to the area « Factures de travaux » [Work invoices]. Please contact the primary manager of the structure.	GFT_MSG_01.115 {0} = IdTechniqueStructureMOE GFT-CU-01-SER-04
20131	The structure {0} does not use the application « Demandes de paiement »	GDP_MSG_01.014

	[Payment requests]. Then, it cannot be linked to a payment request.	{0}= identifier (Cf. TRA-CU-00-RGD-40) " - " designation of the structure (Cf. TRA-CU-00-RGD-37) GFT-CU-01-SER-05 - « Soumettre un dépôt PDF unitaire de facture de travaux » [Submit a unique PDF deposit of work invoice]
20132	The invoice number can be composed only by figures, letters and the special characters "-", "_", " ", "+" and "/".	GDP_MSG_11.076 GFT-CU-01-SER-04 (TDI-CU-03-RGD-06)
20133	The invoice must not be older than 4 years.	TRA_MSG_09.013 GFT-CU-01-SER-04
20134	The tax-included rebate amount cannot be negative, or greater than the tax-included amount before rebate.	GMJ_MSG_01.055 GDP-CU-01-RGD-27 - GFT-CU-01-SER-04

2.3.2 Process a work invoice

This chapter shows input, output and error tables for the following methods:
- Ask to recycle previous attachment
- Take a work invoice into account
- Refuse work invoice
- Suspend or ask to complete work invoice
- Recover reasons to refuse work invoice

2.3.2.1 Ask to recycle previous attachment

As part of works contracts, the method DemanderRecyclagePiecePrecedente allows a user to ask the recycling of previous attachment or to ask the correction of information linked to the contracting authority (Error MOA) by the submitter of the previous attachment.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	The technical identifier uniquely identifies the work invoice within the CPP 2017 system.	ConsulterFactureTravaux	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
idPiecePrecedente		Number: technical identifier of the recipient service of the preceding piece in the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029
20001	The status of the work invoice is not A RECYCLER nor ERREUR DE MOA.	GFT_MSG_01.086
20002	The user cannot ask for recycling the preceding document of transferring the Contracting Authority error to the following document of the work invoice.	GFT_MSG_01.092

2.3.2.2   Take a work invoice into account

The method PrendreEnCompteUneFactureDeTravaux allows the Project Manager to take into account the payment request of subcontractor in the context of a work contract

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateur Courant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	0-1
numeroFactureTravaux		String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]	0-1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029
20001	The user cannot take in account this work invoice.	GFT_MSG_01.083

2.3.2.3   Refuse work invoice

The method refuserFactureTravaux allows to reject an invoice as part of works contracts.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	The technical identifier uniquely identifies the work invoice within the CPP 2017 system.		1
motifRefus		String: reason code for the rejection of the work invoice	varchar(20)		RecupererMotifsRefusFactureTravaux	0-1
complementInformation		String: further information on refusal reason	text(1024)			0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateurCourant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	1
idFactureTravaux		Number: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
motifRefus		String: reason code for the rejection of the work invoice	varchar(20)		0-1
complementInformation		'String: further information on refusal reason	text(1024)		0-1
dateRefus		String: date of refusal of the work invoice	date	Date field: AAAA-MM-JJ	1
numeroFactureTravaux		String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value	0-1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029

20001	The refusal reason does not exist for this invoicing framework.	GFT_MSG_01.077
20002	The user cannot refuse this work invoice.	GFT_MSG_01.078
20004	The refusal reason cannot be entered because the codument has already been associated.	GFT_MSG_01.080
20005	The indicated refusal reason does not fit with the defined criteria.	GDP_MSG_01.079

2.3.2.4   Suspend or ask to complete work invoice

The method SuspendreOuDemanderCompleterFactureTravaux aims to suspend (or ask to complete) a work invoice

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
commentaire		String: free comment field	text(250)			1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
200	Successful request	To delete if done in the generic error codes
400	Erroneous request	To delete if done in the generic error codes
20000	GFT_MSG_01.029 - The work invoice ({0}) does not exist.	{0} = IdFactureTravaux **GFT_MSG_01.029: "La facture de travaux {0} n'existe pas" [the work invoice {0} does not exist]**
20001	GFT_MSG_01.081 - The user is not authorized to suspend this work invoice.	{0} = IdUtilisateur **GFT_MSG_01.081: "L'utilisateur n'a pas le droit de suspendre cette facture de travaux" [the user is not authorized to suspend this work invoice]**
20002	GFT_MSG_01.082 - The user ({0}) cannot ask for further information about this work invoice.	{0} = IdUtilisateur **GFT_MSG_01.082: "L'utilisateur n'a pas le droit de demander un complément sur cette facture de travaux" [the user is not authorized to ask for further information about this work invoice]**

2.3.2.5   Retrieve reasons to refuse work invoice

The method recupererMotifsRefusFactureTravaux sends back reasons for rejection for the payment request which are valid at the date of the rejection

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
codeCadreFacturationTravaux		String: Invoicing frameworkwork invoicing framework code	varchar(50)	Enumeration with 10 possible values: - A4_PROJET_DECOMPTE_MENSUEL_FOURNISSEUR - A5_ETAT_ACOMPTE_FOURNISSEUR - A7_PROJET_DECOMPTE_FINAL_FOURNISSEUR - A10_PROJET_DECOMPTE_MENSUEL_SOUSTRAITANT - A13_PROJET_DECOMPTE_MENSUEL_COTRAITANT - A14_PROJET_DECOMPTE_FINAL_COTRAITANT - A15_ETAT_ACOMPTE_MOE - A17_PROJET_DECOMPTE_GENERAL_MOE - A18_DECOMPTE_GENERAL_MOE - A20_DECOMPTE_GENERAL_MOA - A22_PROJET_DECOMPTE_GENERAL_FOURNISSEUR_PROCEDURE_TACITE	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeMotifRefusFactureTravaux				List	0-n
	codeMotif	String: reason code for the rejection	MotifRej.codeMotif	varchar(20)	1
	idMotif	Number: technical identifier of the refusal reason	MotifRej.id	integer	1
	libelleMotif	String: label of the refusal reason	LibelleMotifRej.libelleMotif	varchar(25)	1

Error table

Error code	Description	Associated error message
200	Successful request	
400	Erroneous request	–

2.3.3   Process a work invoice in error

This chapter shows input, output and error tables for the following methods:
- Complete work invoice
- Complete Project Manager
- Complete Project Manager service work invoice
- Correct validator work invoice
- Recyle work invoice

2.3.3.1   Complete work invoice

The method compléterFactureTravaux allows to modify an invoice into « SUSPENDUE » [PAUSED] or « DEMANDE DE COMPLEMENT » (PAYMENT REQUEST) in adding attachments and/or in modifying the area « commentaire » (comment).

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
Complementary attachments to be added						
pieceJointeComplementaire			List			1-n
	pieceJointeComplementaireDesignation	String: free description of the complementary attachment to be added to the work invoice	varchar(255)			1
	pieceJointeComplementaireType	String: type of the complementary attachment to be added to the work invoice	varchar(30)		RecupererTypesPieceJointe	1
	pieceJointeComplementaireId	String: Technical ID of the attachment in the system	integer		RechercherPieceJointeSurStructure OR RechercherPieceJointeSurMonCompte OR AjouterFichierDansSysteme	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.	1
numeroFactureTravaux		String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value	1
dateTraitement		String: work invoice processing date	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029
20001	The status of the work invoice is not SUSPENDUE [PAUSED] nor A_COMPLETER [TO COMPLETE].	GFT_MSG_01.098
20002	The type of attachment does not exist.	GFT_MSG_01.099
20003	The user is not authorized to complete this work invoice.	GFT_MSG_01.100
20004	The attachment does not exist.	GDP_MSG_11.044
20005	The maximum size of attachments is reached.	GDP_MSG_11.039
20008	The attachment name must be entered.	TRA_MSG_00.021

2.3.3.2 Complete Project Manager

The method completerMOE aims to add a Project Manager on a work invoice.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
idStructureMoe		String: technical identifier of the Project Manager's structure within the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's structure within the CPP 2017 system.	RechercherStructure	0-1
idServiceMoe		String: technical identifier of the Project Manager's service within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017	RechercherServicesStructure	0-1
validationSansMoe		Boolean	Boolean	TRUE: authorized only if IdTechniqueStructureMoe = NULL Default value = FALSE		1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system.		0-1
numeroFactureTravaux		String: number of the work invoice	varchar(20)	This ID is unique for each supplier. Alphanumeric value The special characters in brackets below are accepted: - [-] - [_] - [/] - [+]		0-1

Error table

Error code	Description	Associated error message
20000	The work invoice does not exist.	GFT_MSG_01.029
20001	The status of the work invoice is not ERREUR_DE_MOE [ERROR ON PROJECT MANAGER], ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] nor ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE]	GFT_MSG_01.088
20002	The user is not authorized to change the Project Manager of this work invoice.	GFT_MSG_01.089
20003	The option ValidationSansMoe [ValidationWithoutProjectManager] is available only for the invoicing framework A10.	GFT_MSG_01.090
20004	The option ValidationSansMoe [ValidationWithoutProjectManager] is available only if there is no Project Manager entered.	GFT_MSG_01.091
20005	The Project Manager's structure is required for the invoicing framework.	GFT_MSG_01.060
20006	The Project Manager's structure does not exist.	GFT_MSG_01.055
20007	The Contracting Authority's structure does not exist.	GFT_MSG_01.056

20008	The Project Manager's service does not correspond to the Project Manager's structure.	GFT_MSG_01.057
20009	The Project Manager's structure is not active.	GFT_MSG_01.058
20010	The Project Manager's service is not active.	GFT_MSG_01.097

2.3.3.3 Complete work invoice service Project Manager

The method CompleterServiceMOEFactureTravaux aims to complete the Project Manager service in a work invoice in every attachment in an invoice file.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical identifier of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
idTechniqueServiceMoe		String: technical identifier of the Project Manager's service within the CPP 2017 system	integer	This identifier uniquely identifies the Project Manager's service within the CPP 2017 system.		1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
200	Successful request	To delete if done in the generic error codes
400	Erroneous request	To delete if done in the generic error codes
20000	GFT_MSG_01.029 –The work invoice ({0}) does not exist.	{0} = IdTechniqueFactureTravaux **GFT_MSG_01.029: "La facture de travaux {0} n'existe pas" [the work invoice {0} does not exist]**
20001	GFT_MSG_01.085 - The user is not authorized to complete the Project manager's service of this work invoice.	**GFT_MSG_01.085: "L'utilisateur n'a pas le droit de compléter le service MOE de cette facture de travaux" [the user is not authorized to complete the Project Manager's service of this work invoice]**
20002	GFT_MSG_01.084 - The service ({0}) does not exist in the structure "{1}"	0} = IdTechniqueServiceMoe {1} = FactureTravaux.moe.structure.identifiant **GFT_MSG_01.084: Le service ({0}) n'existe pas pour la structure "{1}" [The service {0} does no exist in the structure {1}]**

2.3.3.4 Correct validator work invoice

The method CorrigerValideurFactureTravaux aims to correct the validator of a work invoice.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idFactureTravaux		String: technical id of the work invoice within the CPP 2017 system	integer	This ID allows to uniquely identify the invoice within the system CPP 2017		1
idTechniqueStructureValideur		String: technical id of the validator's structure within the CPP2017 system	integer	This identifier uniquely identifies the validator within the CPP 2017 system		1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFactureTravaux			String: technical id of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system	0-1

Error table

Error code	Description	Associated error messageAssociated error message
200	Successful requestSuccessful request	To be deleted if done in the liste of generic messages
400	Error within the requestErroneous request	To be deleted if done in the liste of generic messages
20000	GFT_MSG_01.029 -The work invoice {0} does not exist	{0} = IdTechniqueFactureTravaux GFT-CU-01-SER-15 : If the work invoice cannot be found, then the system returns the folliwing error : « The work invoice (<$IdTechniqueFactureTravaux> does not exist » (GFT_MSG_01.029)
20001	GFT_MSG_01.101 – The status of the work invoice is not ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER]	GFT-CU-01-SER-15: If the status of the work invoice is not ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER], then the system returns the following error « The status of the work invoice is not ERREUR_FOURNISSEUR_SUR_VALIDEUR » [ERROR ON VALIDATOR BY SUPPLIER] (GFT_MSG_01.101)
20002	GFT_MSG_01.102 – The user is not allowed to correct the validator of this work invoice	GFT-CU-01-SER-15: If the user do not have the required authorizations, then the system returns the following error : « The

		user is not allowed to correct the validator of this work invoice» (GFT_MSG_01.102)
20003	GFT_MSG_01.53 - The validator's structure {0} does not exist	GFT-CU-01-SER-15: If the structure cannot be found, then the system returns the following error « The validator's structure (<$IdTechniqueStructureValideur>) does not exist » (GFT_MSG_01.53)
20004	GFT_MSG_01.054 - The validator's structure {0} is not active (ACTIF)	GFT-CU-01-SER-53: If the structure is not active, then the system returns the following error « The validator's structure (<$IdTechniqueStructureValideur>) is not active » (GFT_MSG_01.054)
20005	GFT_MSG_01.095: The invoicing case {0} requires a validatorInvoicing framework	Controlled by the API before applying the business service
20006	GCU_MSG_05.019 – the value {0} is required	Controlled by the API before applying the business service

2.3.3.5   Recycle work invoice

The method recyclerFactureTravaux allows to modify routing data of an invoice with a « A RECYCLER – ERREUR DES DONNES D'ACHEMINEMENT» (To be recycled – routing data error) status or « ERREUR MOA » (Contracting authority error) status or with works contracts.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant	String: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
idFactureTravaux	String: technical ID of the work invoice in the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system		1
Recipient					
identifiantDestinataire	String: identifier of the work invoice recipient	varchar(14)	Alphanumeric value This is the recipient's SIRET.	RechercherDestinataire	1
codeServiceExecutant	String: service code of the work invoice recipient	Varchar(100)	Alphanumeric value Case-insensitiveIf GestionCodeService = True [ServiceCodeManagement = True] then this value is required	RechercherServiceExecutant	0-1
numeroBonCommande	String: commitment number	varchar(50)		RechercherEngagementJuridique	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idFactureTravaux		String: technical id of the work invoice within the CPP 2017 system	integer	This identifier uniquely identifies the work invoice within the CPP 2017 system	1
numeroFactureTravaux		String: number of the work invoice	varchar(20)		1
statutFactureTravaux		String: current status of the work invoice	varchar(50)		1
dateDepotFactureTravaux		String: Submission date of the work invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1

Error table

Error code	Description	Associated error message
20000	The work invoice {0} does not exist or has been archived.	**GFT_MSG_01.029** - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = IdTechniqueFactureTravaux
20001	The status of the work invoice is not A RECYCLER nor ERREUR DE MOA.	**GFT_MSG_01.086** - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice]
20002	The user is not allowed to recycle this work invoice	**GFT_MSG_01.087** - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice]
20003	The recipient structure {0} does not exist.	GFT_MSG_01.031 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Identifiant structure destinataire [Identifier of the recipient structure]
20004	The recipient service code {0} does not exist.	GFT_MSG_01.032 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Code service exécutant [Executing service code]
20005	The service code {0} does not match with the recipient structure {1}.	GFT_MSG_01.033 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Code service exécutant [Executing service code] {1} = Identifiant structure destinataire [Identifier of the recipient structure]
20006	The recipient structure {0} is not a public structure	GFT_MSG_01.034 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Identifiant structure destinataire [Identifier of the recipient structure]
20007	The recipient structure {0} is not active (ACTIF)	GFT_MSG_01.035 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Identifiant structure destinataire [Identifier of the recipient structure]
20008	The recipient service code {0} is not active (ACTIF)	GFT_MSG_01.036 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = Code service exécutant [Executing service code]
20009	The recipient structure cannot be uniquely a contractive authority (MOA UNIQUEMENT) for this invoicing frameworkInvoicing framework	GFT_MSG_01.037 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice] {0} = CadreFacturation [InvoicingFramework]

20010	The recipient service code is required for the recipient structure	GFT_MSG_01.038 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice]
20011	This recipient structure requires a service code or a commitment number.	GFT_MSG_01.039 - GFT-CU-01-SER-12: "Recycler une facture de travaux" [Recycle a work invoice]
20012	The recipient service requires a commitment number.	GFT_MSG_01.041 - GFT-CU-01-SER-12 - « Recycler une facture de travaux » [Recycle a work invoice]
20013	The recipient structure requires a commitment number.	GFT_MSG_01.042 - GFT-CU-01-SER-12 - « Recycler une facture de travaux » [Recycle a work invoice]
20014	The commitment number {0} does not exist	GFT_MSG_01.043 - GFT-CU-01-SER-12 - « Recycler une facture de travaux » [Recycle a work invoice] {0} = NumeroEngagement [CommitmentNumber]

2.4   User and structure management

2.4.1   Manage areas from my structure/service

This chapter shows input, output and error tables for the following methods:
-    Search area

2.4.1.1   Search area

The method rechercherEspaces allows to send back the list of areas specified to a structure or a structure service.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
structure						1
	idStructure	Technical identifier of the structure in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RechercherStructure	0-1
	typeIdentifiantStructure	Enumeration of identifier type possible values	varchar(50)	Enumeration TypeIdentifiant **Required:** IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RechercherStructure	0-1
	identifiantStructure	Functional identifier of the structure	varchar(80)	Alphanumeric value **Required:** IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RechercherStructure	0-1
idService		Technical identifier of the service in the	integer	This identifier uniquely identifies the service within the CPP 2017 system.	RechercherServicesStructure	0-1

Attribute	Subattribute	Typing (tagger)	Format	Management rules		Multiplicity
			CPP 2017 system			
parametresRechercherEspaces						0-1
	pageResultatDemandee	Number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	Sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	Reference column of the sorting	varchar(80)	Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list.		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number of the current page	integer		0-1
	pages	Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number of results per page	integer		0-1

	total	Number of results returned by the research	integer		0-1
listeEspace					0-n
	idService	Technical identifier of the service	integer	This identifier uniquely identifies the service within the CPP 2017 system.	0-1
	codeService	Service code	varchar(100)	Alphanumeric value	0-1
	libelleService	Label of the service	varchar(100)		0-1
	idEspaceFo	Technical identifier of the area	integer		0-1
	codeEspace	Area code	integer		0-1
	libelleEspace	Label of the area	varchar(100)		0-1
	etatCourant	Status of the structure/service's area	varchar(100)	Enumeration EtatEspaceFoService	0-1
	typeHabilitation	Type of authorization on the area	varchar(50)	Enumeration TypeHabilitation	0-1

Error table

Error code	Description	Associated error message
20000	No active structure corresponds to the identifier {0}.	GCU-CU-16-SER-01: « Rechercher les espaces de la structure » [Search for the areas of the structure] {0} = [identifier of the structure] **GCU_MSG_06.001**
20001	The service {0} is unknown for the structure {1}.	GCU-CU-16-SER-01: « Rechercher les espaces de la structure » [Search for the areas of the structure]

		{0} = [identifier of the service]
		{1} = [identifier of the structure]
		GCU_MSG_06.004
20002	Please enter the technical identifier of a structure or a type and a functional identifier of a structure.	**GCU_MSG_00.060 -** SXP
20003	The user {0} is not connected to the structure {1}.	**GCU_MSG_08.010** {0}= name and surname of the user {1}= identifier of the structure
20004	No result found	**TRA_MSG_00.012**

2.4.2   Manage my structure

This chapter shows input, output and error tables for the following methods:
- Consult SIRET information
- Consult structure
- Search structure services
- Search structure
- Download recipient directory

2.4.2.1   Consult SIRET information

The method consulterInformationSIRET allows to retrieve data from the structure with a SIRET type matching the INSEE database.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
siretStructure	SIRET number of the structure to search for	varchar(14)			1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
siret	SIRET number	varchar(14)	-	0-1
siren	SIREN number	varchar(9)	-	0-1
numeroInterneClassement	Intern number of classifying	varchar(5)	-	0-1

adresse	Address of the supplier	varchar(255)	-	0-1
siege	Registered office	varchar(3)	-	0-1
dateCreationEtablissement	Creation date of the settlement	date	Date field: AAAA-MM-JJ	0-1
raisonSociale	Corporate name of the company	varchar(38)	-	0-1
civilite	Civility	varchar(3)	-	0-1
categorieJuridique	Legal category	varchar(255)	-	0-1
dateCreationEntreprise	Creation date of the company	date	Date field: AAAA-MM-JJ	0-1
categorieEntreprise	Company category	varchar(5)	-	0-1
localisationSiege	Headquarters location	varchar(50)	-	0-1
dateReactivationEtablissement	Reactivation date of the settlement	date	Date field: AAAA-MM-JJ	0-1
siretPredecesseurSuccesseur	SIRET number of the predecessor	varchar(14)	-	0-1
estActif	The structure is active or not	boolean	true: the structure is active false: the structure is not active	0-1

Error table

Error code	Description	Associated error message

20000	Incorrect SIRET format.	**GCU_MSG_01_014**
20001	The structure {0} is unknown from the INSEE database.	**GCU_MSG_00.026** {0} = [identifier of the structure]
20002	The link with the SIREN database is not operational. Please try again later.	**GCU_MSG_00_311**

2.4.2.2   Consult structure

The method consulterStructure allows to consult information from a structrue to which a user is connected.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateurCourant	Number: technical identifier of the user in the CPP system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	RechercherStructure	1
codeLangue	String: code of the language used in the multilingual descriptions	varchar(5)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
			General informations			
information Generales						1
	idStructureCPP		Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	raisonSociale Structure		String: corporate name of the structure	varchar(99)		1
	identifiantStructure		String: identifier of the structure	varchar(80)		1
	typeIdentifiantStructure		String: identifier type of the structure	varchar(14)		1
	libelleStructure		String: label of the structure	varchar(99)		0-1
	emailStructure		String: email address of the structure	varchar(200)		0-1
	nomStructure		String: name of the structure	varchar(100)		0-1
	prenomStructure		String: surname of the structure	varchar(100)		0-1
	numeroRcsStructure		String: RCS tax identification of the structure	varchar(20)		0-1

	structurePrivee ePublique		String: indicates if the structure is private or public	varchar(15)	Enumeration with 2 possible values: - PRIVEE - PUBLIQUE	0-1
			Headquarters postal address			
adressePost aleDuSiege						1
	adresse		String: address details	varchar(100)		1
	complementA dresse1		String: first complement of the address	varchar(100)		0-1
	complementA dresse2		String: second complement of the address	varchar(100)		0-1
	ville		String: city	varchar(50)		1
	codePostal		String: postal code	varchar(10)		0-1
	pays		String: country	varchar(100)		0-1
	telephone		String: phone number	varchar(15)		0-1
	indicatifTelep hone		String: international dialling code	varchar(5)		0-1
	fax		String: fax number	varchar(15)		0-1
	indicatifFax		String: dialling code of fax number	varchar(5)		0-1
			Parameters			
parametres						0-1
	recevoirDonn eesViaEDI		boolean: ability of the structure to receive data via EDI mode	boolean	Required if the type of the structure is PUBLIC. true: the structure is able to receive data via EDI mode. false: the structure is not able to receive data via EDI mode.	0-1
	numeroEJDoit EtreRenseign e		boolean: commitment number required or not	boolean	Required if the type of the structure is PUBLIC. true: the commitment	0-1

					number is required ofr invoices and work invoices. false: the commitment number is not required ofr invoices and work invoices.	
	codeServiceDoitEtreRenseigne			boolean: service code entered by the supplier required or not	boolean	Required if the type of the structure is PUBLIC. True: the service code is required for invoices and work invoices. False: the service code is not required for invoices and work invoices.	0-1
	statutMiseEnPaiementNestPasRemonte			boolean: the « Mise en paiement » [Payment] status is not returned to the supplier.	boolean	Required if the type of the structure is PUBLIC. True: the « Mise en paiement » [Payment] status of invoices/work invoices will be not returned to the supplier. False: the « Mise en paiement » [Payment] status of invoices/work invoices will be returned to the supplier.	0-1
	connexionEDI			boolean: connection of the structure via EDI mode	boolean	Required if the type of the structure is PUBLIC. True: the structure is connected via EDI mode. False: the structure is not connected via EDI mode.	0-1
	gestionNumeroEJOuCodeService			boolean: commitment number or service code entered by the	boolean	Required if the type of the structure is PUBLIC.	0-1

			supplier required or not		True: the commitment number or the service code is required for invoices and work invoices. False: the commitment number or the service code is not required for invoices and work invoices.	
	estMOA		boolean: presence of a Contracting Authority within the structure	boolean	This data must be entered only for a public structure: TRUE or FALSE	0-1
	estMOAuniquement		boolean: ability of the structure to process work invoices only	boolean	This data must be entered only for a public structure: TRUE or FALSE	0-1

Error table

Error code	Description	Associated error message
20000	Connection email address of the user not found.	GCU_MSG_00.008
20001	The identifier of the structure does not correspond to a valid structure.	GCU_MSG_00.014
20002	The user cannot view this structure	GCU_MSG_07.004

2.4.2.3   Search structure services

The method rechercherServicesStructure allows to search services belonging to a public structure or a structure to which the user is connected.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idUtilisateur Courant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
idStructure		Number: technical identifier of the structure in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
Sorting and paging parameters					
parametres Rechercher ServicesStr ucture					0-1
	pageResultat Demandee	Number: number of the results page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsP arPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.	0-1
	triSens	String: sorting order	varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 5 possible values: - CodeService [Service code] - LibelleService [Service label] - DateDbtService [Beginning date of the service] - DateFinService [End date of the service] - EstActif [is active] By default, the sorting is performed on the field "CodeService".	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of services					
listeServices					0-*
	idService	Number: technical identifier of the service in the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	1
	codeService	String: service code	varchar(100)	Alphanumeric value	1
	libelleService	String: label of the service	varchar(100)		1
	dateDbtService	String: beginning date of the service activation period	Date	Date field: AAAA-MM-JJ HH:MI	0-1
	dateFinService	String: end date of the service activation period	Date	Date field: AAAA-MM-JJ HH:MI	0-1
	estActif	Boolean: flag indicating whether the service is active or not, according to its end date of activation period	boolean	If the end date of the activation period is not entered, then the parameter "Actif" is filled with "true".If the end date of the activation period is earlier than the current date, then "Actif" is filled with the value "false". If not, "Actif" is filled with the value "true".	1

Error table

Error code	Description	Associated error message
20000	The identifier of the structure does not correspond to a valid structure.	GCU_MSG_100.001
20001	The identifier of the user does not correspond to a valid user.	GCU_MSG_100.003
20002	The user does not correspond to the primary /secondary manager of the structure.	GCU_MSG_00.019

2.4.2.4 Search structure

The method rechercherStructure allows a manager to search structures.	

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idUtilisateur Courant		Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system		0-1
structure				At least, one of the ttributes below (without TypeIdentifiantStructure) must be entered.		1
	raisonSociale eStructure	String: corporate name of the structure	varchar(99)			0-1
	identifiantSt ructure	String: functional identifier of the structure	varchar(80)	Alphanumeric value If typeIdentifiantStructure = « SIRET », the identifier can be composed by: - at least 9 characters ; - the other characters can be as following: o Numerical characters o the characters '*' ou ' ?' The characters '*' et ' ?' are forbidden among the first 9 numerical characters.		0-1
	typeIdentifi antStructur e	String: identifier type of the structure	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - EN_COURS_IMMATRICU LATION	RecupererT ypeIdentifia ntStructure	0-1
	libelleStruct ure	String: label of the structure	varchar(99)			0-1
	nomStructu re	String: name of the structure's deputy	varchar(100)			0-1

	prenomStructure	String: surname of the structure's deputy	varchar(100)			0-1
	adresseCodePostal	String: postal code of the structure's address	varchar(10)			0-1
	adresseVille	String: city of the structure's address	varchar(50)			0-1
	adresseCodePays	String: country code of the structure's address	varchar(2)		RecupererPays	0-1
	typeStructure	String: type of the structure	varchar(15)	Enumeration with 2 possible values: - PRIVEE [PRIVATE] - PUBLIQUE [PUBLIC]	RecupererTypeStructure	0-1
	statutStructure	String: status of the structure	varchar(10)	Enumeration with 2 possible values: - ACTIF - INACTIF		0-1
	estMOA	Boolean: selection of the structures able to process work invoices	boolean	TRUE or FALSE		0-1
	estMOAUNiquement	Boolean: selection of the structures able to process work invoices only	boolean	TRUE or FALSE		0-1

restreindreStructuresPrivees		Boolean: selection of private structures	boolean	There are two cases:
				
				1) The attribute"ResteindreStructuresPrivees" is not entered or filled with "true" then:
				the system returns in the list all the structures:
				  - all the public structures corresponding to the research criteria,
				  - Only the private structures, connected to the user and corresponding to the research criteria
				
				OR
				
				2) The attribute "ResteindreStructuresPrivees" is filled with the
						0-1

				value "false", then all the publicand private structures corresponding to the research criteria are returned.		
Headquarters postal address						
parametres						0-1
	pageResultatDemandee	Number: number of the results page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 4 possible values: -TypeIdentifiantStructure - IdentifiantStructure - DesignationStructure - Statut By default, the sorting is performed on the field "IdentifiantStructure".		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametres Retour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParPage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
Headquarters postal address					
listeStructures					0-n
	idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	typeIdentifiantStructure	String: identifier type of the structure	varchar (14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1
	identifiantStructure	String: functional identifier of the structure	varchar (80)	Alphanumeric value	1
	designationStructure	String: designation of the structure	varchar (201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
	statut	String: status of the structure	varchar (8)	The status of the returned invoice is determined from : - the end date of the structure validity period, - the current date, - the status of the structure in the database - the flag Duplique If Structure.duplique = VRAI [TRUE] Or if Structure.etat = INACTIF [INACTIVE]Or if the end date is entered and is earlier than the current date:	1

| | | | | then the status of the structure is INACTIVE.

In all the other cases, the status of the returned structure is ACTIVE.

Note: this calcultation is performed if the status is not right in the database (ex: the batch correcting the structure statuses has not run during the night).
This API request refreshes the structure's status in the database. Thus, the status of the structure returned by this request is not always consistent with the status of the structure saved in the database. | |

Error table

Error code	Description	Associated error message
20000	No structure corresponding to the research criteria found.	GCU_MSG_00.014
20001	At least, one field of the parameter "Structure" must be filled.	TRA_MSG_00.011
20002	The user has no access to the application.	GCU_MSG_00.009
20003	For a structure with a SIRET number, at least the first 9 characters must be entered.	TRA_MSG_07.001

2.4.2.5

2.4.2.5   Download recipient directory

The method TelechargerAnnuaireDestinataire alllows to retrieve the recipient directory.

Input table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
fichierResultat	String: compressed and base64-encoded binary file	File	The current directory is available at the following address: PARAM_FAR0037_BASE_URL/PARAM_FAR0037_NOM_FICHIER	1

Error table

Error code	Description	Associated error message
20002	The maximum size is reached.	GCU_MSG_00.067
20003	The directory is not available.	GCU_MSG_00.068

2.4.3 Manage my service

This chapter shows input, output and error tables for the following methods:
- Consult structure service
- Enter general information structure service

2.4.3.1 Consult structure service

The method consulterServiceStructure allows to consult:
- The information concerning a service to which the user is connected
- The information concerning a public structure service ture publique

Input table

Attribute	Subattribut e	Sous-Subattribut e	Sous-sous-Subattribut e	Typing (tagger)	Format	Management rules	Multi plicit y
idUtilisat eurCour ant				Number: technical id of the current user in the Chorus Pro system	integer	This identifier uniquely identifies the user within the 2017 CPP system	0-1
idStruct ure				Number: technical identifier of the structure within the CPP 2017 system	integer	This identifier uniquely identifies the structure within the CPP 2017 system.	1
idServic e				Number: technical identifier of the service within the CPP 2017 system	integer	This technical identifier uniquely identifies the service within the CPP 2017 system.	1
codeLan gue				String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
informationsGene rales					1
	codeService	String: service code	varchar(100)	Alphanumeric value	1
	nomService	String: label of the service	varchar(100)		1
	descriptionService	String: details of the service	varchar(255)		0-1
Postal address of the service					
adressePostale					0-1
	adresse	String: postal address of the service	varchar(100)		1
	complementAdres se1	String: first complement of the service postal address	varchar(100)		0-1
	complementAdres se2	String: second complement of the service postal address	varchar(100)		0-1
	codePostal	String: postal code of the service	varchar(10)		0-1
	ville	String: city of the service	varchar(50)		1
	pays	String: country of the service	varchar(50)	Multilingual description: the returned description depends on the requested language in the service parameters.	0-1
	telephone	String: phone number of the service	varchar(15)		0-1
	indicatifTelephone	String: international dialling code of the service	varchar(5)		0-1
	fax	String: fax number of the service	varchar(15)		0-1
	indicatifFax	String: fax dialling code of the service	varchar(5)		0-1

Parameters					
parametres					1
	dateCreation	String: creation date of the service	Date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
	dateModification	String: last modification date of the service	Date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
	dateDebutValidite	String: activation date of the service	Date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
	dateFinValidite	String: end date of the service validity period	Date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	numeroEngagement	Boolean: commitment number required or not	boolean	Only for public structures. - True: the commitment number is required. - False: the commitment number is not required.	0-1

Error table

Error code	Description	Associated error message
20000	No structure found for identifier.	GCU_MSG_00.014
20001	User not registered in the system.	GCU_MSG_00.008
20002	No service found for the structure entered.	GCU_MSG_00.021

2.4.3.2

2.4.3.2   Enter general information structure service

The method saisirGeneralitesServiceStructure allows a user to create a new service and set its parameters

Input table

Attribute	Subattribute	Sous-Subattribute	Sous-sous-Subattribute	Typing (tagger)	Format	Management rules		Multiplicity
idStructure				Number: technical identifier of the structure in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure		1
General informations								
informationsGenerales								1
	codeService			String: service code	varchar(100)	Alphanumeric value		1
	nomService			String: label of the service	varchar(100)			1
	descriptionService			String: details of the service	varchar(255)			0-1
Postal address of the service								
adressePostale						Required if the structure is the State		0-1
	adresse			String: postal address entered by the supplier	varchar(100)			1
	complementAdresse1			String: first complement of the supplier's postal address	varchar(100)			0-1
	complementAdresse2			String: second complement of the supplier's postal address	varchar(100)			0-1

	codePostal				String: postal code entered by the supplier	varcha r(10)	Required if the country is France. The postal code is a string of maximum 10 alphanumerical characters. It could contain numbers and characters. It is not allowed to enter special characters.		0-1
	ville				String: city entered by the supplier	varcha r(50)			1
	pays				String: country entered by the supplier	varcha r(2)		Recu perer Pays	1
	indicatifPay sTelephone				String: international dialling code of the supplier's phone number	varcha r(5)	Could contain maximum 5 characters ; the special character '+' is authorized.		0-1
	telephone				String: phone number entered by the supplier	varcha r(15)	Contains 15 alphanumerical characters. The character <espace> is forbidden.		0-1
	indicatifPay sFax				String: fax dialling code of the user	varcha r(5)	Could contain maximum 5 characters ; the special character '+' is authorized.		0-1
	fax				String: fax number entered by the user	varcha r(15)	Contains 15 alphanumerical characters. The character <espace> is forbidden.		0-1
Parameters									
paramet res									1
	dateDebutV alidite				String: Activation	Date	Date field: AAAA-MM-JJ		1

				date of the service		ou AAAA-MM-JJTHH:MM:SS+HH:MM		
	dateFinValidite			String: date when the status of the service becomes inactive	Date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM		0-1
	numeroEngagement			Boolean: commitment number required or not	boolean	Only for public structures. - True: the commitment number is required. - False: the commitment number is not required.		0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idService	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1

Error table

Error code	Description	Associated error message
20000	GCU_MSG_05.029 - The identifier does not correspond to a valid structure.	GCU_MSG_05.029
20001	GCU_MSG_05.009 - The user is not registered in the CPP 2017 system or is not active.	GCU_MSG_05.009
20002	GCU_MSG_00.019 - The user is not primary or secondary manager of the structure.	GCU_MSG_00.019
20003	The postal code is required.	GCU_MSG_05.019
20005	The value entered in the field [Indicatif] of the phone number must be maximum 5-character long. The character '+' is allowed for the first position.	TRA_MSG_08.001
20006	Phone number format incorrect: it must begin with the number '0' or be 9-character long	TRA_MSG_08.003
20007	Phone number format incorrect: it must be 9-character long	TRA_MSG_08.004
20008	The value entered in the field [Indicatif] of the fax number must be maximum 5-character long. The character '+' is allowed for the first position.	TRA_MSG_08.002

20009	TRA_MSG_08.005 - Fax number format incorrect: it must begin with the number '0' or be 9-character long	TRA_MSG_08.005
20010	Fax number format incorrect: it must be 9-character long	TRA_MSG_08.006
20011	The country code is not referenced.	TRA_MSG_00.018
20012	Incorrect format in the field {0} {0} = [name of the field]	
20013	The identifier does not correspond to a valid structure.	GCU_MSG_05.029
20014	The service already exists.	GCU_MSG_100.000_1
20015	Technical error.	

2.4.4

2.4.4   Manage my user account

This chapter shows input, output and error tables for the following methods:
- List structure connections user
- Retrieve my user account connections

2.4.4.1   List structure connections user

The method ListerRattachementsStructureUtilisateur retrieves the information needed for the connections requests process form for a user and a structure.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
adresseEmail ConnexionUtili sateur		String: corresponding to the email address of the user within the CPP 2017 system, concerned by the deactivations and activations of connections to the structure by the system	varchar(200)	This identifier uniquely identifies a user within the CPP 2017 system. Required: AdresseEmailConnexionU tilisateur OR IdUtilisateur	RechercherUtili sateursValides	0-1
idUtilisateur		Number: technical identifier of the user within the CPP 2017 system, concerned by the deactivations and activations of connections to the structure by the system	integer	This identifier uniquely identifies the user within the 2017 CPP system Required: AdresseEmailConnexionU tilisateurSelectionne OR IdUtilisateur	RechercherUtili sateurValide	0-1
idStructure		Number: technical identifier of the structure in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** IdStructure OR	RechercherStru cture	0-1

				TypeIdentifiantStructure + IdentifiantStructure		
typeIdentifian tStructure		String: identifier type of the structure	varchar(50)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - EN_COURS_IMMATRICU LATION Required: IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RechercherStru cture	0-1
identifiantStru cture		String: functional identifier of the structure	varchar(80)	Alphanumeric value Required: IdStructure OR TypeIdentifiantStructure + IdentifiantStructure	RechercherStru cture	0-1
Sorting and paging parameters						
parametresLis terRattachem entsStructure Utilisateur						
	pageResul tatDeman dee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultat sParPage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 6 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 3 possible values: - CodeService - NomService		0-1

				- StatutRattachement By default, the sorting is performed on the field "NomService".		

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
parametresRetour						
	pageCourante	Number: number of the current page	integer			1
	pages	Number: Number of pages returned by the research	integer			1
	nbResultatsParPage	Number: number of results per page	integer			1
	total	Number: Number of results returned by the research	integer			1
Structure to connect						
idStructure		Number: technical identifier of the structure in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system.		1
identifiantStructure		String: functional identifier of the structure	varchar(80)	This technical identifier uniquely identifies the structure within the CPP 2017 structure		1
designationStructure		String: designation of the structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the		0-1

				concatenated name and surname of its deputy.		
premierService		boolean: the user is connected or not to the first service of the structure	boolean	True: the user is connected to the first service of the structure. False: the user is not connected to the first service of the structure.		1
List of the structure's services						
listeServices						
	idService	Number: technical identifier of the service in the CPP 2017 system	integer	This identifier uniquely identifies a service within the CPP 2017 system.	1	integer
	idRattachement	Number: technical identifier of the connection request in the CPP 2017 system	integer	This identifier uniquely identifies a connection request within the CPP 2017 system.	0-1	integer
	codeService	String: service code	varchar(100)		1	varchar(100)
	nomService	String: name of the service	varchar(100)		1	varchar(100)
	statutRattachement	String: status of the connection request	varchar(50)	Enumeration with 5 possible values: - EN_COURS_DE_VALIDATION - REFUSEE - VALIDEE - DESACTIVEE - SUPPRIMEE(LOGIQUE) [DELETED (LOGICAL)]	0-1	varchar(50)
	dateDebut	String: beginning date of the connection validity period	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1	date
	dateFin	String: end date of the connection validity period	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1	date

	commenta ire	String: comment on connection	varchar(255)		0-1	varchar(2 55)

Error table

Error code	Description	Associated error message
20000	The identifier of the structure does not correspond to a valid structure.	GCU_MSG_00.014
20001	The user does not exist or is not valid.	GCU_MSG_00.009
20002	The user {0} is not registered in the application.	GCU_MSG_00.008 {0} = Name and surname of the user
20003	The user {0} is not connected to the structure {1}	GCU_MSG_00.050 {0} = Name and surname of the user {1} = identifier of the structure
20004	No structure found for this identifier {0} or the structure has already been duplicated.	GCU_MSG_00.050 {0} = identifier
20005	A technical or functional identifier is required for the user.	GCU_MSG_00.057
20006	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.060
20007	The technical and functional identifiers do not correspond to each other.	GCU_MSG_00.059

2.4.4.2

2.4.4.2   Retrieve my user account connections

The method recupererRattachementsMonCompteUtilisateur allows to search the structures to which the user has at least one activ connection

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
parametresRecherche						0-1
	pageResultatDemandee	Number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	Sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	Reference column of the sorting	-	Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list.		0-1

Output table

Attribute	Subattribute	Sub-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour						
	pageCourante		Number of the current page	integer		0-1
	pages		Number of pages returned by the research	integer		0-1
	nbResultatsParPage		Number of results per page	integer		0-1

	total		Number of results returned by the research	integer		0-1
listeStructure Rattachement				Liste		0-n
	idStructure		Technical identifier of the structure within the CPP 2017 system	integer		1
	typeIdentifiantStructure		Identifier type of structure	varchar(50)		1
	identifiantStructure		Identifier of the structure	varchar(80)		1
	designationStructure		Designation of the structure	varchar(201)		0-1
	statutUtilisateur		Status of the user	varchar(30)		1
	roleUtilisateur		User role within the structure	varchar(30)		0-1
	statutRattachementStructure		Connection status	varchar(25)		1
	idRattachementStructure		Technical identifier of the connection request in the CPP 2017 system	integer		1
	listeServicesRattache		List of the services to which the user is connected ; the default service is not returned.			0-n
		IdService				1
		CodeService	Code of the structure's service	varchar(100)	Alphanumeric value	0-1

		LibelleService	Name of the structure's service	varchar(100)	Alphanumeric value	0-1
		StatutService	Status of the structure service	varchar(10)		0-1
		DateDbtService	Beginning date of the service activation period	Date	Date field: AAAA-MM-JJ HH:MI	0-1
		DateFinService	End date of the service activation period	Date	Date field: AAAA-MM-JJ HH:MI	0-1
		EstActif	Flag indicating whether the service is active or not, according to its end date of activation period	boolean	If the end date of the activation period is not entered, then the parameter "Actif" is filled with "true".If the end date of the activation period is earlier than the current date, then "Actif" is filled with the value "false". If not, "Actif" is filled with the value "true".	1
		StatutRattachementService	Connection status	varchar(25)		1
		IdRattachementService	Technical identifier of the connection request in the CPP 2017 system	integer		1

Error table

Error code	Description	Associated error message
20000	The parametered user does not exist or is not valid.	GCU_MSG_05.028

Data flow overview

This chapter indicates the input, output and error tables for the following services:
- Consult account
- Consult detailed account

2.5.1 Consult account

The method ConsulterCR allows to consult informations linked to the flow submission and retrieve the PDF account of the process of the flow submitted via the Portal or the service DeposerFluxFacture.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
numeroFluxDepot	Number: number of the submitted flow	varchar(25)	This identifier uniquely identifies a flow within the CPP 2017 system.		1
dateDepot	String: submission date of the invoicing flow	date	Date field: AAAA-MM-JJ		0-1
syntaxeFlux	String: flow syntax	varchar(24)	Enumeration with 9 possible values: - IN_DP_E1_UBL_INVOICE - IN_DP_E1_CII_16B - IN_DP_E1_PES_FACTURE - IN_DP_E1_XCBL - IN_DP_E2_UBL_INVOICE_MIN - IN_DP_E2_CII_MIN_16B - IN_DP_E2_CII_FACTURX - IN_DP_E2_PES_FACTURE_MIN - IN_DP_E2_CPP_FACTURE_MIN		0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
numeroFluxDepot	Number: Numéro du flux	varchar(255)		1
dateDepotFlux	String: Submission date of the invoice	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
codeInterfaceFlux	String: interface code of the flow	varchar(255)	Enumeration CodeInterface	1
etatCourantFlux	String: current status of the flow	varchar(255)	Received: The flow has been received by Chorus Pro ; Processed by the CPP ES: The flow has arrived in the CPP Exchange System ;	1

			Waiting for processing: The flow is waiting for being processed ; Processing: The flow is being processed ; Faulty: The flow is not processed by the CPP ES, i twill be necessary to submit it again ; Rejeted: The flow has been processed but rejected because of failures in the flow ; Waiting for processing again: The flow has been blocked, waiting for a manual processing ; Integrated: The flow has been processed and integrated in Chorus Pro ; Partially integrated: This case concerns the flows whose correct invoices only have been integrated.	
designationPartenaire	String: designation of the structure	varchar(255)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1
nomFichierFlux	String: name of the flow document	varchar(255)		1
dateHeureEtatCourantFlux	String: date and time of the current status	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	1
fichierCR	String: file containing the base64-encoded attachment	file	PDF document generated on the fly by a SXP process from HTML.	1

Error table

Error code	Description	Associated error message
20000	You have not the necessary clearances on the area Flow Overview and Qualification for the issuing structure {0}	**POQ-CU-01-SER-03** POQ_MSG_01.002 {0} = Identifier of the structure
20001	Flow not found.	**POQ-CU-01-SER-03** POQ_MSG_01.003
20002	The flow does not correspond to a flow submitted via the Portal or the service deposerFluxFacture.	POQ_MSG_01.035
20003	No flow type speicifed for the research.	POQ_MSG_01.027
20004	No flow format specified for the research.	POQ_MSG_01.028
20005	No flow syntax specified for the research.	POQ_MSG_01.023
20006	No processing mode specified for the research.	POQ_MSG_01.139
20007	No submission mode specified for the research.	POQ_MSG_01.024
20008	No flow status specified for the advanced research on status.	POQ_MSG_01.025
20009	No date specified for the advanced research on history.	POQ_MSG_01.026
20010	Account not found.	POQ_MSG_01.030
20011	HTML flow not found.	POQ_MSG_01.031

2.5.2 Consult detailed account

The method ConsulterCRDetaille allows to consult the integration status of a **API-issued** flow, with, as appropriate, the errors identified by the system (inadmissibility of the flow or rejection of one or several payment requests).

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
numeroFluxDepot	Number of the submitted flow	varchar(25)		DeposerFluxFacture	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
nomFichier		Name of the submitted document	varchar(60)		1
dateDepotFlux		Submission date of the flow	date		1
codeInterfaceDepotFlux		Interface code of the submitted flow	varchar(15)		1
etatCourantDepotFlux		Current status of the submitted flow	Texte (50 caractères)		1
dateHeureEtatCourantFlux		Modification date and time of the current status of the submitted flow	date		1
listeErreurTechnique					0-n
	natureErreur	Nature of error	varchar		0-1
	codeErreur	Technical code of the error	integer		0-1
	libelleErreur	Label of the error	varchar		0-1
listeErreurDP					0-n
	identifiantFournisseur	Technical identifier of the supplier requesting payment	integer		0-1

	identifiantDestin ataire	Technical identifier of the recipient receiving the payment request	integer		0-1
	numeroDP	Number of the payment request	varchar		0-1
	libelleErreurDP	Label of the error	varchar		0-1

Error table

Error code	Description	Associated error message
20000	You have not the necessary clearances on the area Flow Overview for the issuing structure {0}	POQ_MSG_01.002 {0} = designation of the recipient structure
20001	Flow not found.	POQ_MSG_01.003

2.6   Commitment number management

This chapter indicates the input, output and error tables for the following services:
- Consult the details of a commitment
- Search for a commitment
- Retrieve a commitment
- Retrieve the type of a commitment

2.6.1   Consult the details of a commitment

The method consulterDetailEngagementJuridique allows to consult the details of a commitment number and the associated payment requests.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
numeroEngagementJuridique	Commitment number	varchar(10)		RechercherEngagementJuridique	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idEngagement		Technical identifier of the commitment within the CPP 2017 system	integer	This identifier uniquely identifies the commitment number within the CPP 2017 system.	1
numeroEngagementJuridique		Current commitment number	varchar(10)		1
etatCourantEngagement		Current status of the commitment.	varchar(20)	Enumeration EtatEJ	1
typeEngagement		Commitment type	varchar(100)	Enumeration TypeEJ	1
emetteur					0-1
	idStructureEmettrice	Technical identifier of the issuing structure within the CPP 2017 system	integer		0-1

	identifiantStructureEmettrice	Functional identifier of the commitment-issuing structure	varchar(80)		0-1
	raisonSocialeStructureEmettrice	Corporate name of the structure issuing the commitment	varchar(100)		0-1
	idServiceExecutant	Technical identifier of the executing service within the CPP 2017 system	integer		0-1
	codeServiceExecutant	Code of the executing service of the commitment	varchar(100)		0-1
	nomServiceExecutant	Name of the executing service of the commitment	varchar(100)		0-1
	adresseServiceExecutantDetail	Details of the executing service address	varchar(100)		0-1
	adresseServiceExecutantComplement1	First complement of the executing service address	varchar(100)		0-1
	adresseServiceExecutantComplement2	Second complement of the executing service address	varchar(100)		0-1
	adresseServiceExecutantCodePostal	Postal code of the executing service address	varchar(10)		0-1
	adresseServiceExecutantVille	City of the executing service address	varchar(50)		0-1
	adresseServiceExecutantCodePays	Country code of the executing service address	varchar(2)		0-1
	adresseServiceExecutantLibellePays	Country label of the executing service address	varchar(100)		0-1
recepteur					1

	idStructureReceptrice	Technical identifier of the recipient structure in the CPP 2017 system	integer		1
	identifiantStructureReceptrice	Functional identifier of the recipient structure	varchar(80)		1
	designationStructureReceptrice	Designation of the recipient structure	varchar(100)		1
	adresseStructureReceptriceDetail	Details of the recipient structure address	varchar(100)		0-1
	adresseStructureReceptriceComplement1	First complement of the recipient structure address	varchar(100)		0-1
	adresseStructureReceptriceComplement2	Second complement of the recipient structure address	varchar(100)		0-1
	adresseStructureReceptriceCodePostal	Postal code of the recipient structure address	varchar(10)		0-1
	adresseStructureReceptriceVille	City of the recipient structure address	varchar(50)		0-1
	adresseStructureReceptriceCodePaysa	Country code of the recipient structure address	varchar(2)		0-1
	adresseStructureReceptriceLibellePays	Country label of the recipient structure address	varchar(100)		0-1
references					0-1
	deviseEngagement	Commitment currency	varchar(3)		0-1
	libelleDevise	Label of the commitment currency	varchar(50)	French label of the currency	0-1

	numeroMarche	Contract number	varchar(50)		0-1
	dateNotification Engagement	Modification date of the commitment	Date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
	nontantTotalTtc	Global tax-included amount of the commitment	Decimal(19,6)		0-1
lignePoste			List		0-n
	numeroDePoste	Number of the commitment post	integer		1
	statutPoste	Status of the commitment post	varchar(10)	Enumeration EtatPosteEj	0-1
	montantTtcPoste	Tax-included amount of the commitment post	Decimal(19,6)		0-1
demandePaiement			Liste		0-n
	idDemandePaiement	Technical identifier of the payment request within the CPP 2017 system	integer		1
	numeroDemandePaiement	Number of the payment request issued by the supplier	varchar(20)		1
	typeDemandePaiement	Type of payment request	varchar(50)	Enumeration TypeDemandePaiement	1
	sousType	Type of invoice/work invoice	varchar(50)	Enumeration TypeFacture ou Enumeration TypeFactureTravaux	0-1
	dateFournisseur	Issuing date of the payment request in the supplier IS	date	Date field: AAAA-MM-JJTHH:MM:SS+HH:MM	0-1

EtatCourantDemandePaiement	Current status of the payment request	varchar(50)	Enumeration EtatDemandePaiement	1
montantTtcDemandePaiement	Tax-included amount of the payment request	Decimal(19,6)		0-1

Error table

Error code	Description	Associated error message
20000	GEJ_MSG_01.004 - The commitment number {0} has not been found.	{0}= parameter of commitment identifier GEJ-CU-01-SER-03 - « Consulter le détail d'un engagement juridique » [consult the details of commitment]
20001	GEJ_MSG_01.003 - The user {0} has not the necessary clearances to consult the commitment numbers of the structure {1}.	{0}=Name and surname of the user {1}= identifier of the structure GEJ-CU-01-SER-03 - « Consulter le détail d'un engagement juridique » [consult the details of commitment]
20002	The structure {0} has not any payment request whose status is "Mise en paiement" [Payment] in Chorus Pro. Thus its commitment numbers are not available.	GEJ_MSG_01.006 {0} = designation of the structure

2.6.2 Search for a commitment number

The method rechercherEngagementJuridique allows to search for a commitment number.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
codeEngagementJuridique		String: type code of the researched commitments	varchar(100)	Enumeration with 15 possible values: - BON_DE_COMMANDE - MARCHE_A_TRANCHE - MARCHE_UNIQUE - MARCHE_MIXTE - MAPA_A_TRANCHES - MAPA_UNIQUE - MAPA_MIXTE - AUTRES_CONTRATS - BON_DE_COMMANDE_TECHNIQUE - MARCHE_A_BON_DE_COMMANDE - MAPA_A_BON_DE_COMMANDE - BAUX - DECISIONS_DIVERSES - LISTE_DE_PRIX - SUBVENTIONS	0-1
numeroEngagementJuridique		String: number of the researched commitment	varchar(10)	The characters « * » and « % » are authorized for the research, at least 3 characteers are required.	0-1
numeroMarcheEngagementJuridique		String: contract number of the researched commitment	varchar(10)	The characters « * » and « % » are authorized for the research, at least 3 characteers are required.	0-1
structureReceptriceEngagementJuridique		String: identifier of the recipient structure associated with the researched commitment	varchar(18)		0-1
codeServiceExecutant		String: executing service code	varchar(100)		0-1
etatCourantEngagementJuridique		String: status of the researched commitments	varchar(20)	Enumeration with 4 possible values: - COMMANDE - FACTURE - CLOTURE - SUPPRIME	0-1

Sorting and paging parameters					
parametresRec herche					0-1
	pageResultat Demandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsP arpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.	0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 11 possible values: - LibelleTypeEngagementJuridique - NumeroEngagementJuridique - IdentifiantStructureReceptrice - LibelleStructureReceptrice - CodeServiceExecutant - LibelleServiceExecutant - DateNotificationEJ - LibelleEtatCourantEJ - MontantTotalTtc - DeviseEngagement - TaillePJ By default, the sorting is performed on the field "DateNotificationEJ".	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Multiplicity
parametresRetour				0-1
	pageCourante	Number: number of the current page	integer	0-1
	pages	Number: Number of pages returned by the research	integer	0-1
	nbResultatsParpage	Number: number of results per page	integer	0-1
	total	Number: Number of results returned by the research	integer	0-1
listeEngagementJuridique			Liste	0-n
	idEngagement	Number: technical identifier of the commitment number within the CPP 2017 number	integer	1
	libelleTypeEngagementJuridique	String: type of the commitment number	varchar(50)	1
	numeroEngagementJuridique	String: commitment number	varchar(10)	1
	structureReceptrice	String: designation of the structure receiving the commitment	varchar(201)	0-1
	identifiantStructureReceptrice	String: identifier of the structure receiving the commitment	varchar(18)	0-1
	libelleStructureReceptrice	String: label of the structure, which received the commitment	varchar(100)	0-1
	codeServiceExecutant	String: Executing service code	varchar(100)	0-1
	libelleServiceExecutant	String: Executing service's name	varchar(100)	0-1
	dateNotificationEJ	String: modification date of the commitment	Date field: AAAA-MM-JJTHH:MM:SS +HH:MM	0-1
	libelleEtatCourantEJ	String: current status of the commitment	varchar(20)	1
	montantTotalTtc	Number: global tax-included amount of the commitment	decimal(19,6)	0-1
	deviseEngagement	String : currency of the commitment	varchar(3)	0-1
	taillePJ	Number: size of the publishable attachment	decimal(19,6)	0-1

Error table

Error code	Description	Associated error message
200	Successful request	-
400	Erroneous request	-
20000	GEJ_MSG_01.003 - The user {0} has not the necessary clearances to consult the commitment numbers of the structure {1}.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]** {0}=Name and surname of the user {1}=Identifier of the structure
20001	GEJ_MSG_01.006 - The structure {0} has not any payment request whose status is "Mise en paiement" [Payment] in Chorus Pro. Thus its commitment numbers are not available.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]** {0} = designation of the structure
20002	GEJ_MSG_01.007 - The structures {0} and {1} have not any payment request whose status is "Mise en paiement" [Payment] in Chorus Pro. Thus theirs commitment numbers are not available.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]** {0},{1} = designation of the structures
20003	GCU_MSG_00.038 - Please enter at least one criterion for the research.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]**
20004	TRA_MSG_09.007 - The beginning date must be earlier than the end date.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]**
20005	TRA_MSG_00.019 - The upper bound of an amount must be equal or greater than the lower bound.	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]**
20006	TRA_MSG_00.024 - Please enter at least 3 charactersin the field {0}	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]**
20007	TRA_MSG_00.015 - No result found	**GEJ-CU-01-SER-01 Rechercher engagement juridique [search for a commitment]**

2.6.3 Retrieve the status of a commitment

The method recupererEtatEngagementJuridique allows to retrieve the list of all the possible commitment status.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeEtatEngagementJuridique			List		0-n
	etatEngagementJuridique	String: enumeration of commitment status	varchar(50)	Enumeration with 4 possible values: - COMMANDE - FACTURE - CLOTURE - SUPPRIME	1

2.6.4   Retrieve the type of a commitment

The method recupererTypeEngagementJuridique allows to retrieve all the possible commitment types.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypeEngagem entJuridique			Liste		0-n
	typeEngagement Juridique	String: enumeration of commitment type	varchar(100)	Enumeration TypeEJ	1

2.7 Request management

2.7.1 Common services of all requests

This chapter indicates the input, output and error tables for the following services:
- Add complementary informations in the request
- Search for issued requests
- Search for received requests
- Download requests
- Consult requests

2.7.1.1   Add complementary informations in the request

This method allows the request-issuing partner to add informations after the recipient requested complements (EtatDeposant filled with "Attente informations complémentaires" or "Envoyée").

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
identifiantSollicitation	Integer : technical identifier of the request	integer			1
informationsComplementaires	Comment to add in the request	varchar(4000)			1
pieceJointeId	Integer : identifier of the attachment of the requesting obect	Integer		AjouterFichierDansSysteme	0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
20001	Addition of complementary informations impossible: the user {1} has not created the request {0}.	AUT_MSG_02.05 {0}= identifier of the request {1}= name and surname of the user asking for complementary informations
20002	The request {0} does not exist.	AUT_MSG_02.03 {0}= identifier of the request
20003	The status of the request {0} does not allow to add complementary informations.	AUT_MSG_02.04 {0}= identifier of the request
20004	Attachment {0} not found.	GDP_MSG_11.041 {0} = identifier of the attachment
20005	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.1.2 Search for issued requests

The rechercherSollicitationsEmises method allows to search for a request among all these issued by a structure.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idSollicitation		Integer: Integer : technical identifier of the request	integer			0-1
numeroSollicitation		String: functional identifier (reference) of the request to research	Varchar (20)			0-1
idCategorie		Integer : identifier of the request category	integer	The categories MEMJUST and REMBTIC are forbidden.	RechercherCategorieSollicitation	0-1
idSousCategorie		Integer : identifier of the request subcategory	integer		RechercherSousCategorieSollicitation	0-1
numeroObjet		String: identifier of the object number (payment request, commitment…) associated to the request	Varchar (20)			0-1
statut		String: identifier of the request statuses	Varchar (50)	Enumeration with the following values : ETAT_DEPOSANT_ENREGISTRE ETAT_DEPOSANT_AFFECTE ETAT_DEPOSANT_PRISE_EN_COMPTE ETAT_DEPOSANT_REPONDUE ETAT_DEPOSANT_REOUVERTE ETAT_DEPOSANT_EN_COURS ETAT_DEPOSANT_EN_ATTENTE_INFOS ETAT_DEPOSANT_REPONDUE_MAUVAISE_CATEGORIE ETAT_DEPOSANT_COMPLETE ETAT_DEPOSANT_CLOSE		0-1

periodeSaisieDu		Date: beginning date of the period of researched request entry	date			0-1
periodeSaisieAu		Date: end date of the period of researched request entry	date			0-1
idStructureEmettrice		Integer : technical identifier of the issuing structure in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** Technical identifier of the structure OR identifier type of the structure + functional identifier of the structure		0-1
typeIdentifiantStructureEmettrice		String: identifier type of structure	Varchar (15)	Enumeration TypeIdentifiant Required: technical identifier of the structure OR identifier type + Functional identifier of the structure		0-1
identifiantStructureEmettrice		String: functional identifier of the issuing structure	Varchar (80)	Required: technical identifier of the structure OR identifier type + Functional identifier of the structure		0-1
idStructureDestinataire		Integer: technical identifier of the recipient structure to modify in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the		0-1

				CPP 2017 system. **Required :** Technical identifier of the structure OR identifier type + functional identifier of the structure		
typeIdentifiantStructureDestinataire		String: identifier type of the recipient structure	Varchar (15)	Enumeration TypeIdentifiant Required: technical identifier of the structure OR identifier type + Functional identifier of the structure		0-1
identifiantStructureDestinataire		String: functional identifier of the issuing structure	varchar(80)	Required: technical identifier of the structure OR identifier type + Functional identifier of the structure		0-1
idServiceDestinataire		Integer : technical identifier of the concerned recipient service (according to the typeObjet).	Integer			0-1
creeePar		String: name and surname of the user who created the request.	Varchar (80)			0-1
parmetragePagination						
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1

	triSens	String: sorting order	Varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	Varchar (80)	Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list.		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					
	pageCourante	Number: number of the current page	integer		1
	pages	Number: Number of pages returned by the research	integer		1
	nbResultatsParPage	Number: number of results per page	integer		1
	total	Number: Number of results returned by the research	integer		1
listeSollicitations				The result of the research is a list of requests.	0-n
	idSollicitation	Integer : technical identifier of the request	integer		1
	numeroSollicitation	String: functional identifier (reference) of the request to research	varchar(20)		1
	idCategorie	Integer: identifier of the request category	integer	The requests on the categories MEMJUST and REMBTIC cannot be returned by the	1

				RechercherSollicitatio nsEmises SXP.	
	codeCategorie	String: code of the request category	varchar(15)	The requests on the categories MEMJUST and REMBTIC cannot be returned by the RechercherSollicitatio nsEmises SXP.	1
	libelleCategorie	String: label of the request category	varchar(200)	The requests on the categories MEMJUST and REMBTIC cannot be returned by the RechercherSollicitatio nsEmises SXP.	1
	idSousCategorie	Integer: identifier of the request subcategory	integer		1
	codeSousCateg orie	String: code of the request subcategory	varchar(15)		1
	libelleSousCate gorie	String: label of the request subcategory	varchar(200)		1
	numeroObjet	String: identifier of the request number object	varchar(20)		0-1
	statut	String: identifier of the request statuses	varchar(50)	Enumeration EtatSollicitationEmise . The correspondence of the Mantis statuses is described in the rules.	1
	dateSaisie	Date: creation date of the request	date		1
	creeePar	String: identifier of the request author	varchar(80)		1
	idStructureEmet trice	Integer: technical identifier of the issuing structure to modify in the CPP 2017 system	integer		1
	idStructureDesti nataire	Integer: technical identifier of the recipient structure to modify in the CPP 2017 system			0-1

Error table

Error code	Description	Associated error message
20001	You are not connected to the structure linked to the request.	AUT_MSG_03.10
20002	At least one of the research criteria must be entered.	AUT_MSG_10.02
20003	The supplied category does not correspond to an available category in this using mode.	AUT_MSG_01.09
20004	This subcategory does not exist.	AUT_MSG_01.06
20005	This subcategory does not correspond to that category.	AUT_MSG_01.07
20006	The beginning date must be earlier than the end date.	TRA_MSG_09.007
20007	No result found	TRA_MSG_00.015

20008	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062
20009	No active structure corresponds to the identifier {0}.	GCU_MSG_100.001 - Control required on the sending and recipient structures {0} = Technical identifier ou functional identifier of the issuing or recipient structure
20010	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.1.3 Search for received requests

Le service permet de rechercher une sollicitation parmi l'ensemble des sollicitations reçues par un récipiendaire

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idSollicitation		Integer: technical identifier of the request	integer			0-1
numeroSollicitation		String: functional identifier (reference) of the request to research	Varchar (20)			0-1
idCategorie		Integer: identifier of the request category	integer	The categories MEMJUST and REMBTIC are forbidden.	RechercherCategorieSollicitation	0-1
idSousCategorie		Integer: identifier of the request subcategory	integer		RechercherSousCategorieSollicitation	0-1
numeroObjet		String: identifier of the object number (payment request, commitment…) associated to the request	Varchar (20)			0-1
statut		String: identifier of the request statuses	Varchar (50)	Enumeration with the following values : ETAT_DEPOSANT_AFFECTE ETAT_DEPOSANT_PRISE_EN_COMPTE ETAT_DEPOSANT_REPONDUE ETAT_DEPOSANT_REOUVERTE ETAT_DEPOSANT_EN_COURS ETAT_DEPOSANT_EN_ATTENTE_INFOS ETAT_DEPOSANT_REPONDUE_MAUVAISE_CATEGORIE ETAT_DEPOSANT_COMPLETE ETAT_DEPOSANT_CLOSE		0-1

periodeSaisieDu		Date: beginning date of the period of researched request entry	date			0-1
periodeSaisieAu		Date: end date of the period of researched request entry	date			0-1
idStructureEmettrice		Integer: technical identifier of the issuing structure in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** technical identifier of the structure OR identifier type + functional identifier of the structure		0-1
typeIdentifiantStructureEmettrice		String: identifier type of the issuing structure	Varchar (15)	Enumeration TypeIdentifiant Required: technical identifier of the structure OU identifier type + Functional identifier of the structure		0-1
identifiantStructureEmettrice		String: functional identifier of the issuing structure	Varchar (80)	Required: technical identifier of the structure OR identifier type + Functional identifier of the structure		0-1
idStructureDestinataire		Integer: technical identifier of the recipient structure to modify in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system.		0-1

				Required : technical identifier of the structure OR identifier type + functional identifier of the structure		
typeIdentifiantStructureDestinataire		String: identifier type of the recipient structure	Varchar (15)	Enumeration TypeIdentifiant Required: technical identifier of the structure OU identifier type + Functional identifier of the structure		0-1
identifiantStructureDestinataire		String: functional identifier of the issuing structure	varchar(80)	Required: technical identifier of the structure OR Identifier type + functional identifier of the structure		0-1
idServiceDestinataire		Integer: technical identifier of the concerned recipient service (according to the typeObjet).	Integer			0-1
assigneeA		String: name and surname of the user receiving the request	Varchar (80)			0-1
parmetragePagination						
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1

triSens	String: sorting order	Varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
triColonne	String: reference column of the sorting	Varchar (80)	Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list.		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					
	pageCourante	Number: number of the current page	integer		1
	pages	Number: Number of pages returned by the research	integer		1
	nbResultatsParPage	Number: number of results per page	integer		1
	total	Number: Number of results returned by the research	integer		1
listeSollicitations				The result of the research is a list of requests.	0-n
	idSollicitation	Integer: technical identifier of the request	integer		1
	numeroSollicitation	String: functional identifier (reference) of the request to research	varchar(20)		1
	idCategorie	Integer: identifier of the request category	integer	The requests on the categories MEMJUST and REMBTIC cannot be returned by the	1

				RechercherSollicitatio nsEmises SXP.	
	codeCategorie	String: code of the request category	varchar(15)	The requests on the categories MEMJUST and REMBTIC cannot be returned by the RechercherSollicitatio nsEmises SXP.	1
	libelleCategorie	String: label of the request category	varchar(20 0)	The requests on the categories MEMJUST and REMBTIC cannot be returned by the RechercherSollicitatio nsEmises SXP.	1
	idSousCategorie	Integer: identifier of the request subcategory	integer		1
	codeSousCateg orie	String: code of the request subcategory	varchar(15)		1
	libelleSousCate gorie	String: label of the request subcategory	varchar(20 0)		1
	numeroObjet	String: identifier of the request number object	varchar(20)		0-1
	statut	String: identifier of the request statuses	varchar(50)		1
	dateSaisie	Date: creation date of the request	date		1
	assigneeA	String: identifier of the user receiving the request	varchar(80)		1
	idStructureEmet trice	Integer: technical identifier of the issuing structure to modify in the CPP 2017 system	integer		1
	idStructureDesti nataire	Integer: technical identifier of the recipient structure to modify in the CPP 2017 system			0-1

Error table

Error code	Description	Associated error message
20001	You are not connected to the structure linked to the request.	AUT_MSG_03.10
20002	At least one of the research criteria must be entered.	AUT_MSG_10.02
20003	The supplied category does not correspond to an available category in this using mode.	AUT_MSG_01.09
20004	This subcategory does not exist.	AUT_MSG_01.06
20005	This subcategory does not correspond to that category.	AUT_MSG_01.07
20006	The beginning date must be earlier than the end date.	TRA_MSG_09.007
20007	No result found	TRA_MSG_00.015
20008	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062

20009	No active structure corresponds to the identifier {0}.	"GCU_MSG_100.001 - Control required on the sending and recipient structures
20010	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.1.4 Download requests

This method allows to download a request and its attachments in PDF format.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idSollicitation	Number: technical identifier of the request within the CPP 2017 system	integer			1
pieceJointe	String: downloading the attachments of the request	varchar(5)	Enumeration with 2 possible values: - OUI [YES] - NON [NO]		1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
sollicitationFichier		String: PDF file generated and base64-encoded attachment	base64		1
listePieceJointe					0-n
	pieceJointe	String: file containing the base64-encoded attachmentof the request	base64		1

Error table

Error code	Description	Associated error message
20000	The request {0} does not exist.	AUT_MSG_04.03 {0} = "IdSollicitation"
20001	You are not connected to the structure linked to the request.	AUT_MSG_03.10
20002	Updating impossible. The status of the request {0} does not allow an updating.	AUT_MSG_04.04 {0}= "IdSollicitation"
20003	Generation of PDF file failed.	AUT_MSG_13.01
20004	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.1.5   Consult requests

The consulterSollicitation method allows to consult a selected request, issued or received.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idSollicitation	Number: technical identifier of the request within the CPP 2017 system	integer			1
contexte	String: context of consultation	varchar(5)	Enumeration with 2 possible values: - EMISE [ISSUED] - RECUE [RECEIVED]		1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
informationsGenerales					
	numeroSollicitation	String: functional identifier (reference) of the request to research	varchar(20)		1
	statut	String: request status	varchar(50)		1
	categorieId	Number: technical identifier of the category	integer		1
	categorieCode	String: code of the request category	varchar(200)		1
	categorieLibelle	String: label of the request category	varchar(200)		1
	ssCategorieId	Number: technical identifier of the subcategory	integer		1
	ssCategorieCode	String: code of the request subcategory	varchar(200)		1
	ssCategorieLibelle	String: label of the request subcategory	varchar(200)		1
	dateDeSaisie	Date: creation date of the request	Date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM	1
	dateDeCloture	Date: report date of the request	Date	Date field: AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM Only for received requests.	0-1
	typeObjet	String: type of the object concerned by the request	varchar(201)	Only for received requests.	0-1
	numeroObjet	String: identifier of the object number (payment	varchar(20)		0-1

		request, commitment…) associated to the request			
	acteur	String: name and surname of the request depositor	varchar(255)		0-1
Issuing structure					
structureEmettrice					
	idStructureEmettrice	Number: technical identifier of the structure within the CPP 2017 system	integer		1
	typeIdentifiantStructureEmettrice	String: identifier type of the structure	varchar(14)	Enumeration of the identifier types	1
	identifiantStructureEmettrice	String: functional identifier of the structure	varchar(80)		1
	designationStructureEmettrice	String: designation of the structure	varchar(201)		1
	idServiceStructureEmettrice	Number: technical identifier of the service in the CPP 2017 system	integer	This identifier uniquely identifies a service within the CPP 2017 system.	0-1
	codeServiceStructureEmettrice	String: service code	varchar(100)		0-1
	nomServiceStructureEmettrice	String: name of the service	varchar(100)		0-1
Recipient structure					
structureDestinataire					
	idStructureDestinataire	Number: technical identifier of the structure within the CPP 2017 system	integer		0-1
	typeIdentifiantStructureDestinataire	String: identifier type of the structure	varchar(14)	Enumeration of the identifier types	0-1
	identifiantStructureDestinataire	String: functional identifier of the structure	varchar(80)		0-1
	designationStructureDestinataire	String: designation of the structure	varchar(201)		0-1
	idServiceStructureDestinataire	Number: technical identifier of the service in the CPP 2017 system	integer	This identifier uniquely identifies a service within the CPP 2017 system.	0-1
	codeServiceStructureDestinataire	String: service code	varchar(100)		0-1
	nomServiceStructureDestinataire	String: name of the service	varchar(100)		0-1
Request					
description		String: description of the request	long varchar(4000)		1

commentaire		String: comments and answer to the request	long varchar(4000)		0-1
historique		String: request history	long varchar(4000)	Technical data concatenated for each History associated to the request	0-1
HistoriqueDetaille					
historiqueDetaille					0-1
	ligneHistoriqueDetaille				0-n
		Date : date of creation of the history line	date	Date format : AAAA-MM-JJ or AAAA-MM-JJTHH:MM:SS+HH:MM	0-1
		String : name of the user associated to the historized operation	varchar(201)		0-1
		String : value of the status preceding the historized operation	varchar(50)		0-1
		String : value of the status following the historized operation	varchar(50)		0-1
		String : comment of the historized operation	long varchar(4000)		0-1
Attachment					
pieceJointe		String: file containing the attachment of the request, base64-encoded	base64		0-1

Error table

Error code	Description	Associated error message
20001	You have not the necessary clearances to consult the request {0}.	AUT_MSG_29.04 {0}= request identifier
20002	The request {0} does not exist.	AUT_MSG_02.03 {0}= request identifier
20003	The request {0} does not exist in this context.	AUT_MSG_29.05 {0}= request identifier
20004	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.2   Issued requests

2.7.2.1   Enter a request

This method allows to enter and submit a request.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idStructureEmettrice	Number: technical identifier of the issuing structure to modify in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** identifier of the structure OR identifier type + identifier of the structure		0-1
typeIdentifiantStructureEmettrice	String: identifier type of the issuing structure	Varchar (15)	Enumeration TypeIdentifiant Required: Technical identifier of the structureOR identifier type + functional identifier of the structure		0-1
identifiantStructureEmettrice	String: functional identifier of the issuing structure	Varchar 80)	Required: technical identifier of the structure OR identifier type + functional identifier of the structure		0-1
idServiceEmetteur	Number: technical identifier of the service to modify in the CPP 2017 system	Integer	This identifier uniquely identifies the service of a structure issuing the request within the CPP 2017 sytem.		0-1
idCategorie	Number: technical identifier of the request category	integer	The Category concept allows to save request categories. The categories MEMJUST and REMBTIC are forbidden.	RecupererCategorieSollicitation	1
idSousCategorie	Number: technical identifier of the request subcategory	integer	The Subcategory concept allows to define the available subcategories according to the connected access mode and the request category.	RecupererSousCategorieSollicitation	1
description	Description of the request	Varchar (4000)			1
typeObjet	Functional object type linked to the request: invoice, work invoice and commitment	Varchar (30)	Enumeration TypeObjet - FACTURE [INVOICE] - FACTURE_TRAVAUX [WORK INVOICE] - EJ [COMMITMENT]		0-1

numeroObjet	Reference number of the concerned object (cf. typeObjet).	Varchar (20)	This number allows to retrieve the issuing service code if defined and to retrieve the identifier of the recipient structure and its service code.		0-1
idStructureDestinataire	Number: technical identifier of the recipient structure to modify in the CPP 2017 system	integer	This identifier uniquely identifies a structure within the CPP 2017 system. **Required :** identifier of the structure OR identifier type + identifier of the structure The recipient structure is required for the request category « Metier Autre » [Other function].		0-1
typeIdentifiantStructureDestinataire	String: énumération des possible values de type d'identifiant	Varchar (15)	Enumeration TypeIdentifiant Required: technical identifier of the structure OR functional identifier of the structure + identifier type The recipient structure is required for the request category « Metier Autre » [Other function].		0-1
identifiantStructureDestinataire	String: functional identifier of the issuing structure	Varchar (80)	Required: technical identifier of the structure OR functional identifier of the structure + identifier type The recipient structure is required for the request category « Metier Autre » [Other function].		0-1
idServiceDestinataire	Number: technical identifier of the concerned recipient service (according to the typeObjet).	Integer	This identifier uniquely identifies the recipient service. The recipient service is required when the recipient is the State.		0-1
pieceJointeId	Number:identifier of the attachment of the requesting obect	Integer		AjouterFichierDansSystème	0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
identifiant	Number: Technical identifier of the created request	integer		1

Error table

Error code	Description	Associated error message
20002	This number does not correspond to any object.	AUT_MSG_01.03
20003	You are not connected to the structure linked to the object.	AUT_MSG_02.08
20004	You are not connected to the requesting structure.	AUT_MSG_03.10
20005	The informations of recipient structures do not allow to retrieve the recipient. Please check your entry.	AUT_MSG_02.06
20006	The supplied category does not correspond to an available category in this using mode.	AUT_MSG_01.09
20007	This subcategory does not correspond to that category.	AUT_MSG_01.07
20008	This subcategory does not exist.	AUT_MSG_01.06
20009	The recipient structure is required for the request category whose type is {0}	AUT_MSG_03.06 {0} = Metier Autre [Other function]
20010	The recipient service is required when the recipient is the State.	AUT_MSG_03.07
20011	The recipient service {0} does not correspond to the recipient structure {1}.	GFT_MSG_01.033 {0} = Service {1} = Structure To control on the issuing and recipient services.
20012	The selected category requires the entry of the type of object concerned by the request.	AUT_MSG_03.08
20013	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062 – Controls required on sending and recipient structures
20014	No active structure corresponds to the identifier {0}.	GCU_MSG_100.001 - Control required on the sending and recipient structures {0} = IdStructureEmettrice or IdStructureDestinataire
20015	The attachment {0} has not been found.	GDP_MSG_11.041 {0} = attachment identifier
20016	This category does not exist.	AUT_MSG_01.05
20017	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.7.3 Received requests

2.7.3.1 Answer a request

This method allows a recipient to answer a request.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idSollicitation	Integer: technical identifier of the request	integer			1
statut	String: identifier of the request statuses, viewable by a recipient	Varchar (50)	Enumeration with the following values : ETAT_DEPOSANT_AFFEC TE ETAT_DEPOSANT_PRISE _EN_COMPTE ETAT_DEPOSANT_REPON DUE ETAT_DEPOSANT_REOUV ERTE ETAT_DEPOSANT_EN_CO URS ETAT_DEPOSANT_EN_AT TENTE_INFOS ETAT_DEPOSANT_REPON DUE_MAUVAISE_CATEG ORIE ETAT_DEPOSANT_COMPL ETE ETAT_DEPOSANT_CLOSE		1
commentaire	Texte: comments associated to the update	Varchar (4000)		AjouterFichierDansS ysteme	1
pieceJointeId	Integer: identifier of the attachment of the requesting obect	Integer			0-1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
20000	The request {0} does not exist.	AUT_MSG_04.03 {0} = "IdSollicitation" [Request identifier]
20001	You are not connected to the structure linked to the request.	AUT_MSG_03.10
20002	Updating impossible. The status of the request {0} does not allow an updating.	AUT_MSG_04.04 {0}= "IdSollicitation" [Request identifier]

20003	Please enter at least 3 characters in the field {0}.	TRA_MSG_00.024 {0} = "Commentaire" [Comments]
20004	The attachment {0} has not been found.	GDP_MSG_11.041 {0} = PieceJointeId [Attachment identifier]
20005	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 {0}= contact email address defined in the applicative parameters

2.8 Cross-functional and reference services

2.8.1 Manage the attachments

This chapter indicates the input, output and error tables for the following service :

- Add file in the system
- Bind an attachment to a structure
- Bind an attachment to a user
- Search for an attachment in My account
- Search for an attachment in a structure
- Download an attachment

2.8.1.1 Add file in the system

The method ajouterFichierDansSysteme allows to add an attachment in the current user account and obtain its technical identifier. The attachment size must be lower than 10 Mb. If not, an error 20003 will be returned.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
pieceJointeFichier	String: file containing the base64-encoded attachment	file		1
pieceJointeNom	String: name of the attachment without its extension	varchar(50)		1
pieceJointeTypeMime	String: data format of the attachment	Varchar (255)		1
pieceJointeExtension	String: extension of the attachment	varchar(5)	List of extensions authorized by Chorus Pro: BMP;HTM;FAX;PNG;XHTML;BZ2;JPEG; PPS;XLC;CSV;JPG;PPT;PPTX ;XLM;DOC ;ODP;RTF;XLS;GIF;ODS;SVG;XML;GZ; ODT;TGZ;XSD;GZIP;P7S;TIF;XSL;HTM L;PDF;TXT;ZIP ;TIFF,XLSX;DOC ;DOCX	1

Output table

Attribute	Typing (tagger)	Format	Multiplicity
pieceJointeId	Number: Technical identifier of the attachment in the CPP 2017 system	integer	0-1

Error table

Error code	Description	Associated error message
20000	The user is not registered in the CPP system or is not active.	GCU_MSG_05.009
20001	This file contains a virus.	TRA_MSG_00.002
20002	The size of the file's name (without extension) is greater than 50 characters.	TRA_MSG_00.004

20003	The size of the file is greater than the maximum allowed one.	TRA_MSG_00.003
20004	A file with this name already exists.	TRA_MSG_00.013
20005	The extension of the attachment is not allowed by the system.	TRA_MSG_10.001
20006	The name of the attachment must be entered.	TRA_MSG_00.021
20007	The input-supplied file encoding does not conform to the encoding standard (base64)	TRA_MSG_00.020

2.8.1.2 Get attachment out

The method detacherPieceJointe allows to get an attachment out of a structure or a user account. A getting-out attachment is deleted after a 24-hour delay.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idPieceJointeObjet	Technical identifier of the link between the attachment and the functional concept (structure, user, …) in the CPP 2017 system	integer		RechercherPieceJointeStructure ou RechercherPieceJointeSurMonCompte	1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
20000	No attachment found.	TRA_MSG_00.005
20001	The user {0} has not the necessary clearances to delete the attachment {1}.	GDP_MSG_11.057 - SXP uniquement {0} = Name and surname of the user {1} = identifier of the object attachment

2.8.1.3 Bind an attachment to a structure

The method lierPieceJointeStructure allows to bind an attachment to a structure.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idPieceJointe	Technical identifier of the attachment	integer		AjouterFichierDansSysteme	1
idStructure	Technical identifier de la structure	integer	Required: Technical identifierORIdentifier type + Functional identifier	RechercherStructure	0-1
typeIdentifiantStructure	Identifier type of structure	varchar(50)	Enumeration "TypeIdentifiant" Required: Technical identifierORIdentifier type + Functional identifier	RecupererStructuresPourValideur	0-1
identifiantStructure	Functional identifier of the structure	varchar(80)	Required: Technical identifierORIdentifier type + Functional identifier	RecupererStructuresPourValideur	0-1
designation	Designation of the attachment	varchar(255)			1
typePieceJointe	Technical identifier of the attachment type	integer	The attachment type must have an object type"structure" (TypePieceJointe.typeObjet = STRUCTURE)	RecupererTypePieceJointe	1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
20000	The structure does not exist.	GCU_MSG_00.014
20001	The parametered attachment does not exist.	GDP_MSG_11.041
20002	The user {0} is not primary or secondary manager of the structure {1}.	GCU_MSG_06.003
20003	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.062 - SXP
20004	The attachment type is not valid.	TRA_MSG_00.029
20005	The quantity of free space available ({0} Mb) in this structure is reached.	TRA_MSG_00.031 {0} = FICHIER_TAILLE_DOSSIER_PJ_STRUC
20006	The attachment {0} is already used.	TRA_MSG_00.017 {0} = technical identifier of the attachment

2.8.1.4 Bind an attachment to a user

The method lierPieceJointeUtilisateur allows to bind an attachment to the account of the primary manager linked to the technical account..

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idPieceJointe	Technical identifier of the attachment	integer		AjouterFichierDansSysteme	1
designation	Designation of the attachment	varchar(255)			1
typePieceJointe	Technical identifier of the attachment type	integer	The attachment type must have an object type"utilisateur" (TypePieceJointe.typeObjet = UTILISATEUR).	RecupererTypePieceJointe	1

Output table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Error table

Error code	Description	Associated error message
20000	The parametered attachment does not exist.	GDP_MSG_11.041
20001	The attachment type is not valid.	TRA_MSG_00.029
20002	The quantity of free space available ({0} Mb) in this user account is reached.	TRA_MSG_00.030 {0} = FICHIER_TAILLE_DOSSIER_PJ_UTILISATEUR
20003	The attachment {0} is already used.	TRA_MSG_00.017 {0} = technical identifier of the attachment

2.8.1.5   Search for an attachment on My account

The method rechercherPieceJointeSurMonCompte allows to search for an associated file to the user account.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
pieceJointeTypeId		Integer: Technical identifier of the attachment type	integer		recuperer TypesPiec eJointe	0-1
pieceJointeDesignation		String: free description of the attachment	Varchar (100)	For this field, the system authorizes the jocker « * ».		0-1
codeLangue		String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1
Sorting and paging parameters						
parametresRecherche						0-1
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 4 possible values: - pieceJointeTypeCode -		0-1

				pieceJointeTypeLibelle - pieceJointeDesignatio n - pieceJointeExtension By default, the sorting is performed on the field "pieceJointeDesignati on".		

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRet our					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsP arpage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of attachments to be displayed					
listePiecesJoint es			list		0-n
	pieceJointeOb jetId	Number: technical identifier of the link between the attachment and the functional concept (structure, user, …) in the CPP 2017 system	integer		1
	pieceJointeId	Number: Technical ID of the attachment in the system CPP	integer		1
	pieceJointeTy peCode	String: code of attachment's type	varchar(30)		1
	pieceJointeTy peLibelle	String: description of the attachment's type	varchar(50)	Description of the attachment's type depending on the parametered language.	1
	pieceJointeDe signation	String: free description of the attachment	varchar(30)		1
	pieceJointeEx tension	String: extension of the attachment	varchar(5)		1

	pieceJointeUtilisateurId	Number: technical identifier of the user within the CPP 2017 system	integer	This identifier uniquely identifies the user within the 2017 CPP system.	1

Error table

Error code	Description	Associated error message
20000	No result found	GCU_MSG_05.036
20001	The user is not registered in the CPP system or is not active.	GCU_MSG_05.009
20002	The type of attachment is not CPP-referenced.	GCU_MSG_05.034

2.8.1.6 Search for an attachment in a structure

The method rechercherPieceJointeStructure allows to search for an attachment associated to a structure connected to the user.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idStructureCPP		Number: technical identifier of the structure within the CPP 2017 system. The attachments will be search in this structure.	integer	This technical identifier uniquely identifies the structure within the CPP 2017 system.	rechercherStructure	1
pieceJointeTypeId		Integer: Technical identifier of the attachment type	integer		recupererTypesPieceJointe	0-1
pieceJointeDesignation		String: free description of the attachment	Varchar (100)	For this field, the system authorizes the jocker « * ».		0-1
codeLangue		String: code of the language used in the multilingual descriptions	Varchar (2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.		0-1
Sorting and paging parameters						
parametresRecherche						0-1
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting		0-1

| | triColonne | String: reference column of the sorting | - | Enumeration with 6 possible values:
- pieceJointeTypeCode
- pieceJointeTypeLibelle
- pieceJointeDesignation
- pieceJointeExtension
- pieceJointeStructureCode
- pieceJointeStructureRaisonSociale

By default, the sorting is performed on the field "pieceJointeDesignation". | | 0-1 |

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParpage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of attachments to be displayed					
listePiecesJointes			liste		0-n
	pieceJointeObjetId	Number: technical identifier of the link between the attachment and the functional concept (structure, user, …) in the CPP 2017 system	integer		1
	pieceJointeId	Number: Technical ID of the attachment in the system CPP	integer		1

	pieceJointeTypeCode	String: code of attachment's type	varchar(30)		1
	pieceJointeTypeLibelle	String: description of the attachment's type	varchar(50)	Description of the attachment's type depending on the parametered language.	1
	pieceJointeDesignation	String: free description of the attachment	varchar(30)		1
	pieceJointeExtension	String: extension of the attachment	varchar(5)		1
	pieceJointeStructureId	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure.	1
	pieceJointeStructureCode	String: functional identifier of the structure	varchar(80)		1
	pieceJointeStructureRaisonSociale	String: corporate name of the structure	varchar(99)		0-1

Error table

Error code	Description	Associated error message
20000	The user is not registered in the application.	GCU_MSG_00.008
20001	No structure found for this identifier.	GCU_MSG_00.014
20002	The user is not authorized to manage the structure.	GCU_MSG_00.029
20003	No result found	GCU_MSG_00.027
20004	The type of attachment is not CPP-referenced.	GCU_MSG_05.034

2.8.1.7 Download an attachment

The method telechargerPieceJointe allows a user to download the attachments whose types are the following : requests, reimbursement requests, invoices, work invoices, justice costs, bank details, structure, mandate, (current) user, commitment.

Input table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
objetPieceJointe			Identifier of tha attachment type to download	varchar(30)	Enumeration with 7 possible values: - DEMANDE_PAIEMENT - ENGAGEMENT_JURIDIQUE - SOLLICITATION - STRUCTURE_PIECEJOINTE - STRUCTURE_MANDAT - STRUCTURE_COORDONNEE_BANCAIRE - UTILISATEUR		1
Request							
sollicitation					Required if "SOLLICITATION" is entered in the field TypePieceJointe		0-1
	idSollicitation		Technical identifier of the request within the CPP 2017 system	integer			1
	pieceJointeSollicitation		Indicates if the attachments must be downloaded	varchar(3)	Enumeration with 2 possible values: - OUI [YES] - NON [NO]		1

					with the request		
				Payment request			
demandePaie ment					Required if "DEMANDE_PAI EMENT" entered in the field TypePieceJoint e		0-1
	format			Format of the downloaded invoices or work invoices	varchar(5)	Enumeration with 2 possible values: - PDF - PIVOT		1
	avecPiece sJointesCo mplement aires			Indicates if the complementa ry attachments must be retrieved (only if Format = "PDF")	varchar(3)	Ce paramètre doit être renseigné uniquement si Format = « PDF ». Enumeration with 2 possible values: - OUI [YES] - NON [NO] If the parametered format is« PIVOT »,the attachments are downloaded.		0-1
	listeFactur e							1
		idFacture		List of technical identifiers of invoices and work invoices within the CPP 2017 system	integer (list)	These identifiers uniquely identify the invoices and work invoices within the CPP 2017 system.		1-n

Commitment						
engagementJuridique					Required if"ENGAGEMENT_JURIDIQUE" entered in the field TypePieceJointe		
	numeroEngagementJuridique		Technical identifier of the commitment within the CPP 2017 system	integer	This identifier uniquely identifies the commitment within the CPP 2017 system.		0-1
Structure						
structure					**Required if "STRUCTURE_ PIECEJOINTE" or "STRUCTURE_ MANDAT" or "STRUCTURE_ COORDONNEE _BANCAIRE" selected**		0-1
	idStructure		Technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure **Required:** technical identifier OR identifier type of structure + functional identifier of structure	RechercherStructure	0-1
	typeIdentifiantStructure		Identifier type of structure	varchar(50)	Enumeration TypeIdentifiant **Required:** technical identifier OR	RechercherStructure	0-1

				identifier type of structure + functional identifier of structure		
identifiantStructure		Functional identifier of the structure	varchar(80)	**Required:** technical identifier OR identifier type of structure + functional identifier of structure	RechercherStructure	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
pieceJointe			base64	**If "DEMANDE_PAIEMENT" [PAYMENT_REQUEST]** selected in the field TypePieceJointe then: • If "Format" = "PDF" and "AvecPiecesJointesComplementaires" = "OUI": if there is only one invoice, then the service returns a ZIP file with the PDF invoice and its complementary attachments. If not, the service returns a ZIP file with a directory per invoice which contains the PDF invoice and its complementary attachments. • if "Format" = "PDF" and "AvecPiecesJointesComplementaires" = "NON":if there is only one invoice, the service returns the PDF file ; if not, the service returns a ZIP file with all the PDF invoices.. • if "Format" = "PIVOT": the service returns the PIVOT file of the invoices with all their complementary attachments. **If "ENGAGEMENT_JURIDIQUE"** selected in the field TypePieceJointe then: the service returns a ZIP file containing : - the attachments of the commitment if it have attachments ;	1
		String: binary base64-encoded file			

				If "SOLLICITATION" selected in the field TypePieceJointe then: the service returns a ZIP file containing : - a request file PDF-generated - the attachments if PieceJointeSollicitation = OUI and if the request have attachments ; **If "STRUCTURE_PIECEJOINTE" selected in the field** TypePieceJointe then : the service returns a ZIP file containing: - the attachments of the structure if they exist ; **If "STRUCTURE_COORDONNEE_BANCAIRE"** selected in the field TypePieceJointe then : the service returns a ZIP file containing : - the bank details of the structure if they exist ; **If "STRUCTURE_MANDAT"** selected in the field TypePieceJointe then : the service returns a ZIP file containing : - the mandates of the structure if they exist ; **If "UTILISATEUR"** selected in the field TypePieceJointe then : the service returns a ZIP file containing : - the user attachments if they exist.	

Error table

Error code	Description	Associated error message
20001	No attachment found.	TRA_MSG_00.005 TRA-CU-00-SER-03
20002	The field {0} is required.	GCU_MSG_05.019 {0}= label of the required field
20003	The user {0} has not the necessary clearances to download the attachment {1}.	TRA_MSG_00.026 TRA-CU-00-SER-03 {0}= attachment type {1}= user identifier

20004	{0} not found.	TRA_MSG_00.027 {0}= parametered identifier
20005	You have not the necessary clearances to consult the request {0}.	AUT_MSG_29.04 - request {0}= request identifier
20006	The request {0} does not exist.	AUT_MSG_02.03 - request {0}= request identifier
20007	Generation of PDF file failed.	AUT_MSG_13.01 - request
20008	The Request area is under maintenance. In case of emergency, you can contact us at the following address: {0}	AUT_MSG_29.06 - request {0}= contact email address defined in the applicative parameters
20009	The maximum number of payment requests that can be downloaded is XX.	GDP_MSG_11.009 - invoice GDP-CU-11-RGD-36 Maximum number of payment requests that can be downloaded.
20010	The payment request {0} has not been found.	GDP_MSG_11.008 - invoice {0}= parametered payment request
20011	The user has not the necessary clearances to download. The downloding of invoice requires a valid connection between the user and one of the following services and structures: - - Service or structure of the supplier ; - Structure of the first validator ; - Structure of the second validator ; - Service or structure of the Porject Manager ; - Service or structure of the Contracting Authority ; - Recipient service or structure. Moreover, the user must be « ACTIF » [ACTIVE].	GDP_MSG_11.005 - facture GDP-CU-11-RGD-54
20012	The status (DemandePaiement.etatCourant) of the payment request in the database must not be equal to: - « BROUILLON » [DRAFT] - « SUPPRIME » [DELETED]	GDP_MSG_11.010 - invoice
20013	Returning an error or no response from the SMA	TRA_MSG_00.007 - invoice
20014	No structure found for the identifier {0}.	GCU_MSG_00.014 - structure {0} = [identifier]
20015	Please enter a technical identifier or a type and a functional identifier of a structure.	GCU_MSG_00.060 - structure
20016	The commitment {0} has not been found.	GEJ_MSG_01.004 - ej GEJ-CU-01-SER-02

		{0}= parametered commitment identifier
20017	L'utilisateur {0} n'a pas les habilitations nécessaires pour consulter les engagements de la structure {1}	GEJ_MSG_01.003 - commitment GEJ-CU-01-SER-02 {0}=Name and surname of the user {1}=Structure.identifiant
20018	The structure {0} has not any payment request whose status is "Mise en paiement" [Payment] in Chorus Pro. Thus its commitment numbers are not available.	GEJ_MSG_01.006 - commitment GEJ-CU-01-SER-02 {0} = designation of the structure

2.8.2 Search for elements in the directory

This chapter indicates the input, output and error tables for the following services:
- Search for a recipient
- Search for an executing service
- Retrieve executing services of the State
- Retrieve active structures for recipient
- Retrieve active structures for work invoices
- Retrieve active structures for supplier

2.8.2.1 Search for a recipient

The method rechercherDestinataire allows to search for the legal informations of a public structure.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
identifiant		String: identifier of the recipient structure	varchar(80)	Alphanumeric value		0-1
nomVilleCodePostal		String:string of characters corresponding to: - the corporate name of the structure - the name of the structure deputy - the city of the structure address - the postal code of the structure address	varchar(100)	The system searches the recipients whose informations contain the string of characters entered here. The fields among informations are the following :: - Structure.nom [name of the structure] - Structure.raisonSociale [registration name of the structure] - Structure.adresse.ville [city of the structure address] - Structure.adresse.codePostal [postal code of the structure address] The system authorizes the joker « * ».		0-1

Sorting and paging parameters						
parametresRec herche						0-1
	pageResultat Demandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsP arpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 4 possible values: - Siret - NomDestinataire - AdresseCodePostal - AdresseVille By default, the sorting is performed on the field "Siret".		0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRet our					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsPar page	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of recipients					
listeDestinatair es			liste	Only public structures without the indicator	0-n

				estMOAuniquement [with Contracting Authority only].	
	idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	siret	String: identifier of the structure	varchar(80)	Alphanumeric value	1
	nomDestinataire	String: corporate name OR name of the structure deputy	varchar(100)	This data is a string of characters which corresponds to the corporate name of the structure or the name of its deputy.	0-1
	adresseCodePostal	String: postal code of the structure	varchar(10)		0-1
	adresseVille	String: city of the structure address	varchar(50)		0-1

Error table

Error code	Description	Associated error message
20000	There is not any recipient corresponding to the criteria entered.	GDP_MSG_11.048
20001	The SIRET number is not registered in the table of possible recipients. Please contact the support service if you want to add it.	GDP_MSG_11.049

2.8.2.2 Search for an executing service

The method rechercherServiceExecutant permet de rechercher les services d'une structure publique

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idDestinataireCPP		Number: technical identifier of the recipient within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	rechercherDestinataire	1
codeServiceExecutant		String: code of the recipient structure's executing service	varchar(100)	Alphanumeric value		0-1
nomServiceExecutant		String: name of the recipient structure's executing service	varchar(100)	Alphanumeric value		0-1
actif		String: indicates if you need only the active services or the inactive ones too. If no value is entered in this field, all the services are returned.	Boolean	Boolean		0-1
Sorting and paging parameters						
parametresRecherche						0-1
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 2 possible values: - CodeServiceExecutant - NomServiceExecutant		0-1

				By default, the sorting is performed on the field "CodeServiceExecutant".		

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
parametresRetour					0-1
	pageCourante	Number: number of the current page	integer		0-1
	pages	Number: Number of pages returned by the research	integer		0-1
	nbResultatsParpage	Number: number of results per page	integer		0-1
	total	Number: Number of results returned by the research	integer		0-1
List of services to display					
listeServices			liste	List of services corresponding to the input criteria and which are not defined as the default service.	0-n
	idServicesCPP	Number: technical identifier of the executing service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	1
	codeServiceExecutant	String: code of the recipient structure's executing service	varchar(100)	Alphanumeric value	1
	nomServiceExecutant	String: name of the recipient structure's executing service	varchar(100)	Alphanumeric value	0-1

Error table

Error code	Description	Associated error message
20000	No result found	GDP_MSG_11.053

2.8.2.3   Retrieve executing services of the State

The method recupererServicesExecutantEtat allows to retrieve the identifying informations of all the executing services of the State

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeServices			liste	List of the services whose status is ACTIF [ACTIVE] and belonging to the State whose identifier is the following SIRET number "11000201100044"	0-n
	idServicesCPP	Number: technical identifier of the service within the CPP 2017 system	integer	This identifier uniquely identifies the service within the CPP 2017 system.	1
	codeService	String: code of the executing service whose structure has been parametered	varchar(100)	Alphanumeric value	1
	nomService	String: name of the executing service whose structure has been parametered	varchar(100)	Alphanumeric value	0-1

Error table

Error code	Description	Associated error message
20000	No result found	GDP_MSG_11.046

2.8.2.4   Retrieve active structures for recipient

The method recupererStructuresActivesPourDestinataire allows to retrieve the list of active structures to which a user is connected and authorized on « Factures reçues » [Received invoices] area.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStructures			liste	List of the identifiers of structure to which the user is connected and authorized on the "Factures reçues" [Received invoices] area.	0-n
	idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiant	String: functional identifier of the structure	varchar(14)	Alphanumeric value	1
	designationStructure	String: designation of the structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1

Error table

Error code	Description	Associated error message
20000	You are not authorized on the area factures	POQ_MSG_02.022

2.8.2.5 Retrieve active structures for work invoices

The method recupererStructuresActivesPourFacturesTravaux allows to retrieve the list of active structures to which a user is connected and has the necessary clearances on the « factures de travaux » [Work invoices] area.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStructures			liste	List of the identifiers of structure to which the user is connected and has the necessary clearances on the "Factures de travaux" [Work invoices] area.	0-n
	idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiant	String: functional identifier of the structure	varchar(80)	Alphanumeric value	1
	designationStructure	String: designation of the structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1

Error table

Error code	Description	Associated error message
20000	You are not authorized on the area	POQ_MSG_02.022

2.8.2.6   Retrieve active structures for supplier

The method recupererStructuresActivesPourFournisseur allows to retrieve the list of active structures to which a suer is connected and has the necessary clearances on the « Factures émises » [Issued invoices] area.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStructures			liste	List of the identifiers of structures to which the user is connected and has the necessay clearances on the "Factures émises" [Issued invoices] area.	0-n
	idStructureCPP	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	identifiant	String: functional identifier of the structure	varchar(80)		1
	designationStructure	String: designation of the structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1

Error table

Error code	Description	Associated error message
20000	You are not authorized on the "Issued invoices"area	POQ_MSG_02.022

The method utilisateursDuService allows to a manager connected to a service to retrieve the list of users connected to this service.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
idStructure		Number: technical identifier of the selected structure	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
codeService		String: code of the selected service	varchar (100)	Code of the service	1
Sorting and paging parameters					
parametresRecherche					0-1
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.	0-1
	nbResultatsParpage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.	0-1
	triSens	String: sorting order	varchar (10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.	0-1
	triColonne	String: reference column of the sorting	-	Enumeration with 13 possible values: - IdentifiantUtilisateur - IdentifiantRattachement - NomUtilisateur - PrénomUtilisateur - AdresseConnexionUtilisateur - AdresseContactUtilisateur - EtatCompteUtilisateur - StatutRattachement - DateActivation - DateDernièreConnexion - RôleUtilisateur - DateDebutValiditeRattachement - DateFinValiditeRattachement By default, the sorting is performed on the field "NomUtilisateur".	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Multiplicity
parametresRetour				0-1
	pageCourante	Number: number of the current page	integer	0-1
	pages	Number: Number of pages returned by the research	integer	0-1
	nbResultatsParpage	Number: number of results per page	integer	0-1
	total	Number: Number of results returned by the research	integer	0-1
List of the users connected to the selected service of the selected structure (if the current user is manager)				
listeUtilisateursDuService			liste	0-n
	idUtilisateurDuService	Number: technical identifier of the service user	integer	1
	nomUtilisateurDuService	String: name of the service user	varchar(100)	1
	prenomCppUtilisateurDuService	String: surname of the service user	varchar(100)	1
	adresseEmailConnexionCppUtilisateurDuService	String: identifier of the service user	varchar(200)	1

Error table

Error code	Description	Associated error message
20000	No result found	GDP_MSG_11.046
20001	The structure does not exist or is duplicated.	GCU_MSG_05.029
20002	The user is not registered in the application.	GCU_MSG_00.008
20003	The user is not authorized to manage the structure.	GCU_MSG_00.029
20004	There is no active service corresponding to the service code entered in the selected structure.	GCU_MSG_100.002

2.8.3 Table of references

This chapter indicates the input, output and error tables for the following services :
- Retrieve the invoicing framework
- Retrieve currencies
- Retrieve flow syntax
- Retrieve deposit mode
- Retrieve payment means
- Retrieve reason for VAT exemption
- Retrieve country
- Retrieve flow format
- Retrieve VAT rates
- Retrieve types of payment request
- Retrieve types of work invoices
- Retrieve types of structure identifier
- Retrieve types of attachment
- Retrieve types of structure
- Retrieve valid bank details
- Search for request category
- Search for request subcategory
- Retrieve structures for user

2.8.3.1 Retrieve the invoicing framework

The method recupererCadreFacturation allows to retrieve the list of invoicing frameworks that can be entered during an invoicing entry.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
typeDemandePaiement	String: code of the type of payment request	varchar(26)	Enumeration with 4 possible values: - FACTURE [INVOICE] - FACTURE_TRAVAUX [WORK_INVOICE] - MEMOIRE_JUSTICE [MEMORANDUM ON JUSTICE COSTS] - DEMANDE_REMBOURSEMENT [REIMBURSMENT REQUESTS] Depending on the type entered, the corresponding frameworks are returned.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Multiplicity
listeCadreFacturation			list	0-n
	codeCadreFacturation	String: Invoicing frameworkinvoicing framework code	varchar(50)	1

Error table

Error code	Description	Associated error message

2.8.3.2   Retrieve currencies

The method recupererDevise allows to retrieve the list of the currency codes that can be entered during an invoicing entry (list ISO 4217).

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
codeLangue	String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
Currency list					
listeDevises					0-n
	codeDevise	String: currency code	varchar(3)		1
	libelleDevise	String: currency description	varchar(50)	Multilingual description: the returned description depends on the requested language in the service parameters.	1

Error table

Error code	Description	Associated error message

2.8.3.3 Retrieve flow syntax

The method recupererSyntaxeFlux allows to retrieve the list of XML formats that can be used according to the chosen flow type (E1 or E2).

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
formatFlux	String: flow format corresponding to several flow syntaxes	varchar(15)	Enumeration with 2 possible values: --IN_DP_E1_STRUCT - IN_DP_E2_MIXTE	recupererFormatFlux	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeSyntaxe Flux			liste		0-n
	syntaxeFlux	String: flow syntax code	varchar(24)	If FormatFlux = IN_DP_E1_STRUCT, the 4 possible values are: - IN_DP_E1_UBL_INVOICE - IN_DP_E1_PES_FACTURE - IN_DP_E1_CII_16B If FormatFlux = IN_DP_E2_MIXTE, the 6 possible values are: - IN_DP_E2_UBL_INVOICE_MIN - IN_DP_E2_PES_FACTURE_MIN - IN_DP_E2_CPP_FACTURE_MIN - IN_DP_E2_CII_MIN_16B - IN_DP_E2_CII_FACTURX	1

Error table

Error code	Description	Associated error message

2.8.3.4   Retrieve deposit mode

The method recupererModeDepot allows to retrieve the list of the deposit or entry modes of invoices.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attributes					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeModeDepot			liste		0-n
	modeDepot	String: deposit modes	varchar(50)	Enumeration with 10 possible values: - SAISIE_PORTAIL - SAISIE_API - DEPOT_PDF_PORTAIL - DEPOT_PDF_SIGNE_PORTAIL - DEPOT_PDF_API - DEPOT_PDF_SIGNE_API - EDI - UPLOAD_PORTAIL - UPLOAD_API - EDI_NUMERISATION	1

Error table

Error code	Description	Associated error message

2.8.3.5 Retrieve payment means

The method recupererModeReglements allows to retrieve the list of values that can be entered during the invoicing entry via API or on the Portal. These values are corresponding to the payment means of the supplier's payment request.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeModePaiement			liste		0-n
	modePaiement	String: payment mode	varchar(11)	Enumeration with 6 possible values: - CHEQUE - PRELEVEMENT - VIREMENT - ESPECE - AUTRE - REPORT	1

Error table

Error code	Description	Associated error message

2.8.3.6 Retrieve reason for VAT exemption

The method recupererMotifExonerationTva allows to retrieve the list of reason for VAT exemption that can be entered during an invoicing deposit.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
codeLangue	String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
List of reasons					
listeMotifsExonerationTva			list		0-n
	codeMotifExonerationTva	String: code of reason for VAT exemption	varchar(5)		1
	libelleMotifExonerationTva	String: reason description for VAT exemption	varchar(50)	Multilingual description: the returned description depends on the requested language in the service parameters.	1

Error table

Error code	Description	Associated error message

2.8.3.7 Retrieve country

The method recupererPays allows to retrieve the list of country codes (ISO 3166 list)

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
codeLangue	String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listePays				list of countries whose parameter estActif is filled with the value « Vrai »	0-n
	codePays	String: country code	varchar(2)		1
	libellePays	String: label of the country	varchar(50)	Multilingual description: the returned description depends on the requested language in the service parameters.	1

Error table

Error code	Description	Associated error message

2.8.3.8 Retrieve flow format

The method recupererFormatFlux allows to retrieve the values of flow format that can be entered during an invoicing deposit.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeFormatFlux			list		0-n
	formatFlux	String: flow format	varchar(15)	Enumeration with 2 possible values: - IN_DP_E1_STRUCT - IN_DP_E2_MIXTE	1

Error table

Error code	Description	Associated error message

2.8.3.9 Retrieve flow statuses

The method recupererStatutsUtilisateur allows to retrieve the list of possible statuses for a user.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity

Output table

Attribute	Subattributes	Typing (tagger)	Format	Management rules	Multiplicity
listeStatutsUtilisateur					0-n
	statutUtilisateur	Possible status for a user	varchar(30)	Enumeration "EtatCompteFo"	1

Error table

Error code	Description	Associated error message

2.8.3.10 Retrieve VAT rates

The method recupererTauxTva allows to retrieve the list of applicable VAT rates.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
codeLangue	String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Multiplicity
listeTauxTva			list	0-n
	codeTauxTva	String: VAT rate code	varchar(6)	1
	libelleTauxTva	String: label of the VAT rate depending on language	varchar(50)	1
	valeurTauxTva	String: value of the VAT rate	decimal(5,2)	1

Error table

Error code	Description	Associated error message

2.8.3.11 Retrieve types of payment request

The method recupererTypeDemandePaiement allows to retrieve the payment request types that can be entered in the Chorus Pro system.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypeDemandePaiement			list		0-n
	typeDemandePaiement	String: enumeration of payment request types	varchar(50)	Enumeration with 4 possible values: - FACTURE [INVOICE] - FACTURE_TRAVAUX [WORK INVOICE] - MEMOIRE_JUSTICE [MEMORANDUM ON JUSTICE COST] - DEMANDE_REMBOURSEMENT [REIMBURSEMENT REQUEST]	1

Error table

Error code	Description	Associated error message

2.8.3.12   Retrieve types of work invoices

The method recupererTypeFactureTravaux allows to retrieve the list of invoicing elements that can be entered during a work invoicing file deposit.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypeFactureTravaux			list		0-n
	typeFactureTravaux	String: enumeration of work invoice types	varchar(50)	Enumeration with 11 possible values: - DP_DE_SOUSTRAITANT_TRAVAUX - PROJET_DECOMPTE_MENSUEL - ETAT_ACOMPTE - ETAT_ACOMPTE_VALIDE - PROJET_DECOMPTE_FINAL - PROJET_DECOMPTE_GENERAL - PROJET_DECOMPTE_GENERAL_PROCEDURE_TACITE - DECOMPTE_GENERAL - DECOMPTE_GENERAL_SIGNE - DECOMPTE_GENERAL_DEFINITIF_TACITE - DECOMPTE_GENERAL_DEFINITIF_PROCEDURE_TACITE	1

Error table

Error code	Description	Associated error message

2.8.3.13   Retrieve types of structure identifiers

> The method recupererTypeIdentifiantStructure allows to retrieve the identifier types that can be entered by a supplier or a validator.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypeIdentifiant			list		0-n
	typeIdentifiantStructure	String: enumeration of structure identifier types	varchar(14)	Enumeration with 7 possible values: - SIRET - RIDET - TAHITI - HORS_UE - UE_HORS_FRANCE - PARTICULIER - AUTRE	1

Error table

Error code	Description	Associated error message

2.8.3.14 Retrieve types of attachment

The method recupererTypesPieceJointe allows to retrieve the types of attachment that can be deposited depending on the area to which the object can be connected.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
typeObjet	String: type of the object whose attachment types are researched	varchar (30)	Possible valuesPossible values: - STRUCTURE - UTILISATEUR - CB - MANDAT - FICHE_RACCORDEMENT - EJ - MEMOIRE - DMD_RBST - TRANSVERSE - FACTURE_TRAVAUX - FACTURE - DMDE_CPTE_DEV_SI_EXT - DMDE_ACCES_PORTAIL_TIERS If not entered, all the types will be returned.	0-1
codeLangue	String: code of the language used in the multilingual descriptions	varchar(2)	Without value, if no language is chosen or supported by the system, the descriptions are written in french.	0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypepieceJointe			liste	Retrieve the list of attachment types (TypepieceJointe table) depending on: - the parametered type of object (all the types if the TypeObjet attribute is not filled).	0-n
	idTypepieceJointe	Integer: technical identifier of the attachment type in the CPP 2017 system	Integer		1
	codeTypepieceJointe	String: code of the attachment type	varchar(30)		1
	libelleTypepieceJointe	String: label of the attachment type	varchar(50)	Label of the attachment type depending on the parametered language (FR if not entered).	1

	typeObjet	String: type of the object whose attachment types are researched	varchar (30)	Possible values of the enumeration TypeObjet	1

Error table

Error code	Description	Associated error message

2.8.3.15 Retrieve types of structure

The method recupererTypeStructure allows to retrieve the types of the structures that can be active in the Chorus Pro system.

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
No input attribute					

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeTypeStructure			list		0-n
	typeStructure	String: structure type	varchar(15)	Possibles values for the enumeration "TypeStructure": PRIVEE [PRIVATE] PUBLIQUE [PUBLIC]	1

Error table

Error code	Description	Associated error message

2.8.3.16   Retrieve valid bank details

The method recupererCoordonneesBancairesValides allows to retrieve the list of entered bank details for a structure to that the current user is connected.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
idStructure	Number: technical identifier of the structure in the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Multiplicity
listeCoordonneeBancaire			liste	0-n
	idCoordonneeBancaire	Number: unique technical identifier of the bank detail	integer	1
	nomCoordonneeBancaire	String: name of the supplier's bank details	varchar(255)	1

Error table

Error code	Description	Associated error message

2.8.3.17   Search for request category

Le service rechercherCategorieSollicitation allows to search for the referenced values of request category, parametered for the connected mode.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
codeCategorie		String: code of the request category	varchar(50)	Alphanumeric value If no value is entered, then the research will be performed whatever the code.		0-1
libelleCategorie		String: label of the request category	varchar(50)	Alphanumeric value If no value is entered, then the research will be performed whatever the label.		0-1
estActif		Booléen: category status	boolean	TRUE = the value is active ; FALSE = the value is inactive ; Empty = active or inactive.		0-1
Sorting and paging parameters						
pagination						
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: number of results per page that can be returned by the research	integer	By default, th service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting		0-1

| | triColonne | String: reference column of the sorting | varchar(20) | Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list. | | 0-1 |

By default, the sorting is downward.

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
pagination					1
	pageCourante	Number: number of the current page	integer		1
	pages	Number: Number of pages returned by the research	integer		1
	nbResultatsParPage	Number: number of results per page	integer		1
	total	Number: Number of results returned by the research	integer		1
listeCategories					0-n
	idTechnique	Number: technical identifier of the request category	integer	Technical identifier of the referenced value	1
	codeCategorie	Text: code of the request category	varchar(50)	The categories MEMJUST and REMBTIC are forbidden.	1
	libelleCategorie	Text: label of the request category	varchar(50)	Label of the referenced value	1
	dateCreation	Date: creation date of the request category	date	Creation date of the referenced value	1
	dateDerniereModification	Date: date of the last modification of the request category	date	Date of the last modification of the referenced value	1
	estActif	Boolean: category status	boolean	The value is ACTIVE or INACTIVE	1

Error table

Error code	Description	Associated error message
20001	No result found	TRA_MSG_00.015

2.8.3.18   Search for request subcategory

Le service rechercherSousCategorieSollicitation allows to search for the referenced values of request subcategory, parametered for the connected mode.

Input table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
idTechniqueCategorie		Number: technical identifier of the request category	integer	Empty = all categories	Rechercher CategorieSollicitation	0-1
code		String: code of the request subcategory	varchar(50)	Alphanumeric value If no value is entered, then the research will be performed whatever the code.		0-1
libelle		String: label of the request subcategory	varchar(50)	Alphanumeric value If no value is entered, then the research will be performed whatever the label.		0-1
estActif		Boolean: category status	booléen	TRUE = the value is active ; FALSE = the value is inactive ; Empty = active or inactive.		0-1
Sorting and paging parameters						
pagination						
	pageResultatDemandee	Number: number of the result page to be displayed	integer	By default, the output is the first page.		0-1
	nbResultatsParPage	Number: number of results per page that can be returned by the research	integer	By default, the service returns 10 results per page.		0-1
	triSens	String: sorting order	varchar(10)	Enumeration with two possible values: - ascending sorting - downward sorting By default, the sorting is downward.		0-1

	triColonne		String: reference column of the sorting	varchar(20)	Enumeration with the attributes' names of the results' list. By default, the sorting order is performed on the first attribute of the results' list.		0-1

Output table

Attribute	Subattribute	Sous-Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
pagination						1
	pageCourante		Number: number of the current page	integer		1
	pages		Number: Number of pages returned by the research	integer		1
	nbResultatsParPage		Number: number of results per page	integer		1
	total		Number: Number of results returned by the research	integer		1
listeSousCategories						0-n
	categorie					
		idTechniqueCategorie	Number: technical identifier of the request category	integer	Technical identifier of the referenced value	1
		codeCategorie	Text (50 characters)	varchar(50)	The categories MEMJUST and REMBTIC are forbidden.	1
		libelleCategorie	Text (50 characters)	varchar(50)	Label of category	1
	ssCategorie					
		idTechniqueCategorie	Number: technical identifier of the request subcategory	integer	Technical identifier of the referenced value	1
		code	Text: code of the request subcategory	varchar(50)	Code of the referenced value	1
		libellé	Text: label of the request subcategory	varchar(50)	Label of the referenced value	1
		dateCreation	Date: creation date of the request category	date	Creation date of the referenced value	1
		dateDerniereModification	Date: date of the last modification of the request category	date	Last modification date of the referenced value.	1
		EstActif	Boolean: status of the category	booléen	The value is active/inactive.	1

Error table

Error code	Description	Associated error message

| 20001 | No result found | TRA_MSG_00.015 |

2.8.3.19 Retrieve structures for user

This method searches for structures connected to a user which has the necessary clearances on an area. If nothing is inputed, then the SXP returns the list of structures and services to that the user is connected, directly or not.q

Input table

Attribute	Typing (tagger)	Format	Management rules	Service providing the data	Multiplicity
espaceFo	Number: technical identifier of the FO environment	integer			0-1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStructures					0-*
	idStructure	Number: technical identifier of the structure within the CPP 2017 system	integer	This technical identifier uniquely identifies the structure within the CPP 2017 structure	1
	typeIdentifiantStructure	String: identifier type of the structure	varchar(14)	Enumeration TypeIdentifiant	1
	identifiantStructure	String: functional identifier of the structure	varchar(80)	Alphanumeric value	1
	designationStructure	String: designation of the structure	varchar(201)	This data is a string of characters which corresponds to the corporate name of the structure or the concatenated name and surname of its deputy.	1

Error table

Error code	Description	Associated error message
20001	Addition of complementary informations not allowed : the user {1} is not the author of the request {0}.	AUT_MSG_02.05 {0}= request identifier {1}= name and surname of the requestor
20002	The request {0} does not exist.	AUT_MSG_02.03 {0}= request identifier
20003	The status of the request {0} does not allow to add complementary informations.	AUT_MSG_02.04 {0}= request identifier
20004	Attachment {0} not found.	GDP_MSG_11.041 {0} = attachment identifier

2.8.4 References tables for processing received invoices

This chapter indicates the input, output and error tables for the following services:
- Retrieve the status by type of payment request
- Retrieve possible statuses for processing

2.8.4.1 Retrieve the status by type of payment request

> The method etatParTypeDemandePaiement allows to retrieve all the statuses that can be applied to a payment request depending on the type of payment request.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
typeDemandeP aiement	String: type code of payment request	varchar(26)	Enumeration with 4 possible values: - FACTURE [INVOICE] - FACTURE_TRAVAUX [WORK INVOICE] - MEMOIRE_JUSTICE [MEMORANDUM ON JUSTICE COST] - DEMANDE_REMBOURSEMENT [REIMBURSMENT REQUEST]	1

Output table

Attribute	Subattribut e	Typing (tagger)	Format	Management rules	Multiplicity
listeEtatDeman dePaiement			list		0-n
	etatDemand ePaiement	String: possible status of the payment request	varchar(50)	- **if FACTURE [INVOICE] then :** A_VALIDER_1 [TO VALIDATE 1] / A_VALIDER_2 [TO VALIDATE 2] SUSPENDUE [PAUSED] / A_RECYCLER [TO RECYCLE] ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE] ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE] COMPLETEE [COMPLETED] / COMPTABILISEE [ACCOUNTED] DEPOSEE [DEPOSITED] / EN_COURS_ACHEMINEMENT [BEING DELIVERED] ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR] / ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER] MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] / MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] MISE_EN_PAIEMENT [PAYMENT] /REJETEE [REJECTED] REFUSEE_1 [REFUSED 1] / REFUSEE_2 [REFUSED 2] SERVICE_FAIT [SERVICE RENDERED] / SUPPRIMEE [DELETED] SUSPENDUE [PAUSED] / VALIDEE_1 [VALIDATED 1]	1

| | | | | VALIDEE_2 [VALIDATED 2]
- if FACTURE_TRAVAUX [WORK INVOICE] then :
BROUILLON [DRAFT]
A_VALIDER_1 [TO VALIDATE 1]
ERREUR_FOURNISSEUR_SUR_VALIDEUR [ERROR ON VALIDATOR BY SUPPLIER]
ABSENCE_VALIDATION_1_HORS_DELAI [ABSENCE OF VALIDATION 1 AFTER DEADLINE]
REFUSEE_1 [REFUSED 1]
VALIDEE_1 [VALIDATED 1]
A_VALIDER_2 [TO VALIDATE 2]
ERREUR_COTRAITANT_SUR_VALIDEUR [ERROR ON VALIDATOR BY COCONTRACTOR]
ABSENCE_VALIDATION_2_HORS_DELAI [ABSENCE OF VALIDATION 2 AFTER DEADLINE]
REFUSEE_2 [REFUSED 2]
VALIDEE_2 [VALIDATED 2]
A_ASSOCIER_MOE [TO ASSOCIATE WITH PROJECT MANAGER]
ERREUR_DE_MOE [ERROR ON PROJECT MANAGER]
REFUSEE_MOE [REFUSED BY PROJECT MANAGER]
MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER]
PRISE_EN_COMPTE_MOE [TAKEN IN ACCOUNT BY PROJECT MANAGER]
A_ASSOCIER_MOA [TO ASSOCIATE WITH CONTRACTING AUTHORITY]
ERREUR_DE_MOA [ERROR ON CONTRACTING AUTHORITY]
REFUSEE_MOA [REFUSED BY CONTRACTING AUTHORITY]
MISE_A_DISPOSITION_MOA [AVAILABLE TO CONTRACTING AUTHORITY]
PRISE_EN_COMPTE_MOA [TAKEN IN ACCOUNT BY CONTRACTING AUTHORITY]
A_ASSOCIER_FOURNISSEUR [TO ASSOCIATE WITH SUPPLIER]
REFUSEE_FOURNISSEUR [REFUSED BY SUPPLIER]
SUSPENDUE [PAUSED]
A_COMPLETER [TO COMPLETE]
ASSOCIEE [ASSOCIATED]
DEPOSEE [DEPOSITED]
MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT]
A_RECYCLER [TO RECYCLE]
COMPLETEE [COMPLETED] REJETEE [REJECTED]
SERVICE_FAIT [SERVICE RENDERED]
MANDATEE [MANDATED]
COMPTABILISEE [ACCOUNTED]
MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT]
MISE_EN_PAIEMENT [PAYMENT]
MISE_A_DISPOSITION_MOE [AVAILABLE TO PROJECT MANAGER]
- if DEMANDE_REMBOURSEMENT [REIMBURSMENT REQUEST] then (GDR-CU-01-RGD-26) then :
BROUILLON [DRAFT]
SUPPRIMEE [DELETED]
DEPOSEE [DEPOSITED]
EN_COURS_ACHEMINEMENT [BEING DELIVERED]
COMPLETEE [COMPLETED] | |

				SUSPENDUE [PAUSED] MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] REJETEE [REJECTED] MISE_EN_PAIEMENT [PAYMENT] VALIDEE_1 [VALIDATED 1] **- if MEMOIRE_JUSTICE [MEMORANDUM ON JUSTICE COST] then :** BROUILLON [DRAFT] SUPPRIMEE [DELETED] DEPOSEE [DEPOSITED] EN_COURS_ACHEMINEMENT [BEING DELIVERED] COMPLETEE [COMPLETED] SUSPENDUE [PAUSED] MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] A_RECYCLER [TO RECYCLE] REJETEE [REJECTED] MISE_EN_PAIEMENT [PAYMENT]	

Error table

Error code	Description	Associated error message

2.8.4.2   Retrieve possible statuses for processing

The method recupererEtatsPossiblesPourTraitement allows to retrieve the list of statuses that can be entered by a recipient who wants to process an invoice depending on the current status of this payment request.

Input table

Attribute	Typing (tagger)	Format	Management rules	Multiplicity
statutCourant	String: current status of the payment request	varchar(50)	Enumeration with 7 possible values: - MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] - SERVICE_FAIT [SERVICE RENDERED] - MANDATEE [MANDATED] - MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] - COMPTABILISEE [ACCOUNTED] - MISE_EN_PAIEMENT [PAYMENT] - COMPLETEE [COMPLETED] - REJETEE [REJECTED]	1

Output table

Attribute	Subattribute	Typing (tagger)	Format	Management rules	Multiplicity
listeStatutsPossiblesPourTraitement			liste		0-n
	statutPossiblePourTraitement	String: possible status for the processing of this payment request	varchar(50)	Enumeration with 8 possible values (GFR-CU-01-RGD-185Bis) • MISE_A_DISPOSITION [AVAILABLE TO RECIPIENT] • SUSPENDUE [PAUSED] • REJETEE [REJECTED] • MANDATEE [MANDATED] • MISE_EN_PAIEMENT [PAYMENT] • COMPTABILISEE [ACCOUNTED] • MISE_A_DISPOSITION_COMPTABLE [AVAILABLE TO ACCOUNTANT] • A_RECYCLER [TO RECYCLE]	1

Error table

Error code	Description	Associated error message

3 TRACK CHANGES

Version - Date	Issuer	Status/Track changes
V4.10 14/11/2018	AIFE	• Modification of the services consulterFactureParFournisseur, completerFacture, refuserFactureTravaux and recyclerFactureTravaux : *Update of the input data table (deletion of the attributes numeroFacture, identifiantFournisseur and typeIdentifiantFournisseur)* • Correction of the service recyclerFacture : *Addition of the following error messages : from 20004 to 20014* • Correction of the service soumettreFacture : *The pieceJointePrincipaleId attribute can also be provided by the service ajouterFichierDansSysteme* *Update of the input data table (management rules and multiplicity of the montantTtcTotal attribute, management rules of the montant RemiseGlobaleTtc attribute)* *Update of the error messages table (errors 20013, from 20303 to 20305)* • Correction of the service soumettreFactureTravaux : *Update of the error messages table (addition of the following errors : from 20003 to 20005, 20042, 20064, 20065, from 20127 to 20129, from 20131 to 20134)* • Correction of the service rechercherFactureParFournisseur : *Update of the input data table (addition of the attributes periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu, deletion of the attribute idUtilisateurCourant)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the error 20003)* • Correction of the service rechercherFactureParRecipiendaire : *Update of the input data table (addition of the attributes rechercheSirenDestinataire, periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the errors 200, 400 and 20001)* • Correction of the service rechercherFactureTravaux : *Update of the input data table (addition of the attributes rechercheSirenDestinataire, periodeDateHeureEtatCourantDu and periodeDateHeureEtatCourantAu)* *Update of the output data table (addition of the attributes dateHeureEtatCourant and commentaireEtatCourant)* *Update of the error messages table (addition of the error 20008)* • Correction of the service rechercherDemandePaiement : *Update of the input data table (addition of the attributes rechercheSirenDestinataire and rechercheSirenFournisseur)* *Update of the output data table (addition of the attribute commentaireEtatCourant)* *Update of the error messages table (addition of the error 20007)* • Correction of the service consulterSollicitation : *Update of the output data table (addition of the attribute historiqueDetaille and update of the attribute historique)* • Update of the services rechercherSollicitationsEmises, rechercherSollicitationsRecues, repondreSollicitation: *Update of the input data table (addition of the enumeration of values of the attribute statut)* • Update of the service consulterSollicitation:

		• *Update of the input data table (addition of the enumeration of values of the attribute statut)*
V4.01 14/09/2018	AIFE	• Modification of the management rule applied on the attribute numeroFactureSaisi of the service soumettreFacture. The numeroFacture is automatically generated by the Chorus Pro system (2.2.1.4) • Modification of the description of service deposerFluxFacture : the maximal size of compressed flow is 30 Mo if and 10 Mo if the flow is not compressed (2.2.1.1) • Modification of the calculation method for the field montantTtcTotal of the service soumettreFacture (2.2.1.4)
V4.00 04/06/2018	AIFE	• Addition of a summary table on API § 2.1 • Addition of references to every API method for each API • Removal of the management rule G2.10 relating to the intra-community VAT number • Transfer of Chapter 6 from *External Specification Chorus Pro document* introducing API services and sequence charts (§ 1) • Correction of the service RechercherServicesStructures: *Removal of the attribute nbrResultatMaximum* • Removal of part 1.2.2 User Assistance • Removal of part 1.2.5 Input and output tables of the API services • Removal of part 1.2.6 Flow monitoring • Removal of part 1.2.7 Commitment management • Removal of part 1.2.8 Input and output tables of referentials and transversal services • Removal of the CII14B references
V3.4bis 18/04/2018	AIFE	• Addition of formats structured and minimal CII16B and Factur-X: • *Correction of the services deposerFluxFacture, consulterCR, recupererSyntaxeFlux and recupererFormatFlux*
V3.4bis 09/03/2018	AIFE	• Correction of the service consulterFactureParRecipiendaire: *Addition of output parameters CoordBancairesCodeGuichet and CoordBancairesBicSwift* • Correction of the service rechercherFactureTravaux: *Removal of the reference of the A11 framework from the input table*
V3.4 21/02/2018	AIFE	• Addition of the following services: *rechercherDemandePaiement* *rechercherFactureATraiterParValideur* *ajouterEspace* *rechercherEspaces* *modifierStructure* *lierPieceJointeUtilisateur* *lierPieceJointeStructure* *supprimerServiceStructure* *consulterInformationSIRET* *rechercherUtilisateursGeresParGestionnaire* *recupererStructuresGereesParGestionnaire* *consulterCompteUtilisateur* *demanderAbonnementsMonCompteUtilisateur* *recupererAbonnementsMonCompteUtilisateur* *recupererRattachementsMonCompteUtilisateur* *supprimerAbonnementsMonCompteUtilisateur* *supprimerRattachementsStructureMonCompteUtilisateur* *rechercherDemandeAbonnementEnAttenteParGestionnaire* *recupererServicesPourDemandeDeRattachementEnAttente*

		refuserRattachementUtilisateur *consulterDetailEngagementJuridique* *detacherPieceJointe* *recupererStatutsUtilisateur* *consulterCRDetaille* • Update of the service RecyclerFacture: *Addition of the attributes « reference » and « numeroBonCommande »* • Update of the service recyclerFactureTravaux: *Update of the description of the service* *Removal of the attribute « commentaire »* *Update of the Error codes* • Update of the description of the services rechercherServicesStructure and consulterServiceStructure • Update of the service ConsulterCR: *Update of the attributes « dateDepot », « syntaxeFlux » and « designationPartenaire »* *Removal of the Error codes 200 and 400* • *Update of the Error code 20002*
V3.3 24/10/2017	AIFE	• Addiction of the following services: *traiterFactureAValider* *consulterFactureParValideur* *corrigerValideurFacture* *rechercherFactureParValideur* *recupererMotifsRefusFactureAValider* *recupererStatutsFacturesVisiblesParValideur* *telechargerPieceJointe* *consulterStructureAvecTVAIntraCommunautaire* *telechargerAnnuaireDestinataire* • Modification of the functional identifier format of supplier, validator, Project Manager, Contracting Authority, issuing and recipient structures :: *The format is now varchar(80) and no longer varchar(18* • Update of the service consulterFactureParFournisseur: *Deletion of attributes « LignePosteUniteCode » and « LignePosteUniteLibelle »* *Addition of the attribute « LignePosteUnite » whose format is varchar(50)* • Update of the serviceconsulterFactureParRecipiendaire: *Deletion of the attributes LignePosteUniteCode and LignePosteUniteLibelle* *Addiction of the attribute LignePosteUnite whose format is varchar(50)* • Update of the service consulterFactureParValideur: *Deletion of the attributes LignePosteUniteCode and LignePosteUniteLibelle* *Addition of the attribute LignePosteUnite whose format is varchar(50)* • Update of the service soumettreFacture: *Addition of a management rule for the attribute « codeServiceExecutant »* • Update of the service rechercherEngagementJuridique: *Modification of the management rule of the attribute « codeEngagementJuridique », addition of the codes « BAUX », « DECISIONS_DIVERSES », « LISTE_DE_PRIX » and « SUBVENTIONS »* • Update of the service telechargerPieceJointe: *Modification of the attribute « demandeDePaiement » ; the new denomination is « demandePaiement »* • Update of the service recupererEtatParTypeDemandePaiement: *Addition of the following payment request statuses « MISE_A_DISPOSITION_MOA » [AVAILABLE TO CONTRACTING AUTHORITY] et « PRISE_EN_COMPTE_MOA » [TAKEN IN ACCOUNT BY CONTRACTING AUTHORITY]*

V3.2 bis 14/09/2017	AIFE	• Correction of the following service descriptions: *rechercherUtilisateursRatatchesService* *saisirGeneralitesStructure* *supprimerUtilisateurRattacheStructure* *consulterStructure* • Update of the service consulterCR: *Modification of the attribute numeroFluxDepot* • Update of the service rechercherEngagementJuridique: *Modification of the parameters of the attribute TriColonne* • Update of the service recupererServicesParStructure: • *Modification of the service denomination and description*Update of the service recupererTypesPieceJointe: *Modification of the occurrences « recupererTypePieceJointe » ; the new denomination is « recupererTypesPieceJointe »* • Update of the service recupererModeReglements: *Modification of the occurrences « recupererModeReglement » ; the new denomination is « recupererModeReglements »* • Update of the service traiterFactureRecue: *Addition of the parameter « numeroDpMandat)* *Deletion of the parameter « idutilisateurCourant »* *Deletion of the reference to the management rule « TDI-CU-03-RGD-01Ter »* • Update of the service rechercherCategorieSollicitation: *Correction of the management rule of the outputed attribute « triColonne »* • Update of the service rechercherSousCategorieSollicitation: *rrection of the management rule of the outputed attribute « triColonne »* • Update of the chapter 4: *Modification of the denomination, from « Qualification des flux » to « Suivi des flux »*
V3.2 30/06/2017	AIFE	• Addition of the following services: *saisieSollicitation* *repondreSollicitation* *ajouterInformationComplementaire* *rechercherSollicitationsEmises* *rechercherSollicitationsReçues* *telechargerSollicitationEmises* *consulterSollicitation* *rechercherCategorieSollicitation* *rechercherSousCategorieSollicitation* *rechercherStructuresPourUtilisateur* • Update of the service consulterCR, addition of the following inputed attributes: *datedepot* *syntaxeFlux*
V3.1 – 24/05/2017	AIFE	• Deletion of the following services: *supprimerFacture* *consulterDemandesAbonnementparGestionnaire* *consulterMonCompteUtilisateur* *consulterUtilisateurParGestionnaire* *desactiverMonCompteUtilisateur* *reactiverMonCompteUtilisateur* *saisirGeneraliteNouvelUtilisateur* *modifierMonCompteUtilisateur* • Update of the service rechercherUtilisateursRattachésStructure *Format of outputed dates*

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Update of error messages (from 20002 to 20006)

- Update of the service ajouterFichierDansSysteme

Modification of the attachment name size to varchar (50) for the service ajouterFichierDansSysteme

- Update of the service soumettreFacture

Modification of the type of inputed attribute lignePosteUnite from integer to varchar(20)

- Update of the service consulterCR

Addition of the possible values that can be entered in the outputed field etatCourantFlux

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- Update of the service Compléter facture
  - *Update of the outputed attributes*From identifiantFactureCPP to NumeroFacture
  - From identifiantFactureCPP to DateTraitement
- Update of the service Consulter facture par fournisseur
  - *Update of the outputed attributes* From fournisseurs to fournisseur
  - *Modification of the following attributes (becoming Required)*destinataire
  - attributes of the supplier address: adresseFournisseurDetail, adresseFournisseurCodePostal, adresseFournisseurVille, adresseFournisseurCodePays, adresseFournisseurLibellePays
  - cadreDeFacturation
  - typeFacture
  - recapitulatifDeTva
  - the outputed attributes of the structure montant Total
  - lignesDePoste
  - typeTva

Modification of the enumeration of the possible values of the attribute type Facture

  - deletion of the value ACOMPTE
- Update of the service ConsutlerFactureParRecipiendaire
  - *Modification of the following attributes (becoming Required)* Facture
  - *Modification of the following attributes (becoming Optional)* RecapitulatifDeTva
  - LignesDePoste facultatifs

Deletion of the value ACOMPTE from the enumeration of the attribute type Facture

Update of the outputed attributes of the service

  - PiecejointePrincipale à pieceJointePrincipale

Deletion of the inputed attributeIdUtilisateurCourant

Deltion of the outputed attributedestinataireEtat

Update of the management rule of the outputed attribute cadreFacturation

Addition of the following outputed attributes:

  - IdMoe
  - TypeIdentifiantMoe
  - IdentifiantMoe
  - RaisonSocialeMoe
  - NomMoe
  - PrenomMoe
  - IdServiceMoe
  - CodeServiceMoe
  - NomServiceMoe
  - IdMoa
  - IdentifiantMoa
  - RaisonSocialeMoa
  - IdServiceMoa
  - CodeServiceMoa
  - NomServiceMoa
  - IdMoe
  - CadreFacturationPiecePrecedente
  - IdPiecePrecedente
  - NumeroPiecePrecedente
  - IdDestinatairePiecePrecedente
  - IdentifiantDestinatairePiecePrecedente
  - RaisonSocialeDestinatairePiecePrecedente

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		- IdServiceExecutantPiecePrecedente - CodeServiceExecutantPiecePrecedente - NomServiceExecutantPiecePrecedente - CadreFacturationPieceSuivante - IdPieceSuivante - NumeroPieceSuivante - TypeFactureTravaux - NumeroDpMandat • Update of the service DéposerFluxFacture *Modification of the enumeration of the attribute triColonne* *Update of the attribute from fournisseur to designationFournisseur* - *Modification of the following attributes (becoming Optional)* CodeDestinataire - DesignationDestinataire - TypeFacture - LignesDePoste - Montants - IdUtilisateurCourant - *Modification of the following attributes (becoming Required)* MontantTTC - MontantAPayer • Update of the servicerechercherFactureParFournisseur *Update of the service inputed attributes:* - ListeIdDestinataire à ListeDestinataire - ListeTypeFacture à TypeFacture - *Modification of the following attributes (becoming Required)* codeDestinataire - designationDestinataire - typeFacture - montantHT - montantTTC - montantAPayer - nomPrenomUtilisateurCreateur • Update of the servicerechercherFactureParRécipiendaire *Modification of the following attributes (becoming Optional)* - TypeDemandePaiement - *Modification of the following attributes (becoming Required)* MontantTTC - MontantAPayer *Addition of the invoicing framework A5 in the enumeration of attribute cadreDeFacturation* *Deletion of the attribute ParametresRetour* *Deletion of the default value of the parameter typeFacture* *Update of the enumeration of statutCourant and typeFactureTravaux* • Update of the service RecyclerFacture *Udpate of the field dateDepot from AAAA-MM-JJ HH:MI to AAAA-MM-JJ*
V2 – 03/11/2016	AIFE	• Addition of the description of methods relative to the work invoices: *Consulter factures de travaux* *Demander recyclage Pièce précédente* *Rechercher facture de travaux* *Rechercher facture Travaux A Traiter* *Soumettre Facture Travaux* *Prendre en compte Une facture de travaux* *Compléter MOE* *Recycler Facture Travaux* *Compléter Facture Travaux* *Consulter Dossier de Facturation* *Refuser Facture Travaux* • Addition of the description of Cross-functional methods: *AjouterFichierDansSysteme* *RechercherDestinataire* *RechercherPieceJointeSurMonCompte* *RechercherPieceJointeSurStructure* *RechercherServiceExecutant* *RecupererCadreFacturation*

			RecupererCoordonneesBancairesValides *RecupererDevises* *RecupererEtatParTypeDemandePaiement* *RecupererEtatsPossiblesPourTraitement* *RecupererFormatFlux* *RecupererModeDepot* *RecupererModeReglements* *RecupererMotifsExonerationTva* *RecupererPays* *RecupererServicesExecutantEtat* *RecupererServicesParStructure* *RecupererStructuresActivesPourDestinataire* *RecupererStructuresActivesPourFactureTravaux* *RecupererStructuresActivesPourFournisseur* *RecupererSyntaxeFlux* *RecupererTauxTva* *RecupererTypeDemandePaiement* *RecupererTypeFactureTravaux* *RecupererTypeIdentifiantStructure* *RecupererTypesPieceJointe* *RecupererTypeStructure* *RecupererUtilisateursDuService* • Update of the following services, according to the implementation of the methods relative to the work invoices: *ConsulterHistoriqueFacture* *ConsulterStructure* *RechercherDestinataire* *RechercherFactureAtraiterParRecipiendaire* *RechercherStructure* *RecupererEtatParTypeDemandePaiement* *TraiterFactureRecue*
V1 – 29/07/2016	AIFE	• Addition of the input and output tables of the services available in API mode, from the chapter 6 of the External Specifications	