

Document Processing service (DOCPROC)

Part 1: External interfaces

1 Zoomit

1.1 Provided interfaces¹

- RegistrationInformation
 - `String customerStatus(String supplierId, String customerReference)`
 - * Effect: Returns a string indicating whether a customer with the given `customerReference`, an IBAN or VAT number, is reachable via Zoomit for the company identified by `supplierId`. Possible return values are ‘active’, ‘potential’ or ‘not-reachable’.
 - * Exceptions: None
 - `String getSupplierId(String vatNo)`
 - * Effect: Returns the unique identifier assigned by Zoomit to identify the company matching the given VAT identification number. Zoomit assigns this on registration of a company with their service.
 - * Exceptions:
 - `NoSuchSupplierException`: Thrown when the company with the given VAT identification number is not registered with Zoomit.
- RcvInvoice
 - `String rcvInvoice(String supplierId, Invoice invoice)`
 - * Effect: Zoomit delivers the received `invoice` to the the inbox of the correct customer and notifies him or her a new invoice from the company identified by `supplierId` is available. A string representing a unique identifier for this invoice within Zoomit is returned to the caller.
 - * Exceptions:
 - `InvalidSupplierException`: Thrown when the identified supplier cannot send invoices via Zoomit to the customer.
 - `InvalidInvoiceException`: Thrown when the provided `invoice` is not correctly formatted or does not contain all required information.
- InvoiceStatus
 - `String getInvoiceStatus(String zoomitId)`
 - * Effect: Retrieve the status of the invoice identified by the unique identifier `zoomitId`. The returned status can either be ‘sending’, ‘sent’, ‘read’, ‘invalid’, or ‘send-error’.
 - * Exceptions: None

1.2 Data types

- **Invoice**: An XML object containing the PDF of the invoice along with the necessary meta data.
 - `PDFInvoice pdf`
 - `String customerEndpointID`: either an IBAN or VAT identification to identify the recipient
 - `String registrationName`: Name of the customer
 - `String supplierEndpointID`: IBAN number of supplier of billed goods or services

¹These interfaces are based on the publicly available documentation of the Zoomit system.

- String dueData: Formatted as “YYYY-MM-DD”
- String paymentID: either structured as +++XXX/XXXX/XXXX+++ or free text
- **PDFInvoice:** The PDF of the invoice as it should be delivered to the recipient.

2 Print & Postal Service

2.1 Provided interfaces

- RcvDocuments
 - `void receiveDocument(DocumentId id, PrintParameters printParam, Address address, PDFDocument document)`
 - * Effect: The Print & Postal Service prints the document and mails it to the corresponding address.
 - * Exceptions: None

2.2 Required interfaces

- ReportError
 - `void reportError(DocumentId id, String error)`
 - * Effect: Report an error concerning the printing and/or mailing of the document identified by id, e.g. a corrupt PDF file.
 - * Exceptions: None

2.3 Data types

- Address: The postal address of a recipient.
- DocumentId: An identifier used by the document provider to uniquely identify a specific document.
- PDFDocument: A PDF version of the document to be printed and mailed.
- PrintParameters: Specifies how a document should be printed.
 - Boolean single: if set to true the document will be printed single-sided, otherwise it will be printed double-sided.
 - String paperType: the required type of paper, by default this is recycled paper of size A4.
 - Boolean colour: if set to true the document will be printed in colour, otherwise it will be printed in black and white.