



The Retail Innovators

GK application - OmniPOS SelfScanning Service API

v1 (5.23.2)

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Chapter 1. Access

- HTTP Basic Authentication *basicAuth*

Chapter 2. Endpoints

2.1. CommonService

2.1.1. commonService.analyzeBarcode

POST /com.gk_software.selfscanning.api.service.CommonService/analyzeBarcode

Analyzes the barcode value and type passed in by AnalyzeBarcodeRequest.

Description

Analyzes the barcode value and type passed in by AnalyzeBarcodeRequest.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The AnalyzeBarcodeRequest ComGkSoftwareSelfscanningApiServiceAnalyzeBarcodeRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceAnalyzeBarcodeResponse](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The AnalyzeBarcodeResponse with a list of barcode processing actions.	ComGkSoftwareSelfscanningApiServiceAnalyzeBarcodeResponse
400	Bad Request. The request could not be understood by the server due to malformed syntax. The client SHOULD NOT repeat the request without modifications.	
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.1.2. commonService.processBarcode

POST /com.gk_software.selfscanning.api.service.CommonService/processBarcode

Analyzes the barcode value and type passed in by ProcessBarcodeRequest. If there is a registered barcode handler for the analyzed barcode processing action(s) then the barcode will be processed too, e.g. as item registration.

Description

Analyzes the barcode value and type passed in by ProcessBarcodeRequest. If there is a registered barcode handler for the analyzed barcode processing action(s) then the barcode will be processed too, e.g. as item registration.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The ProcessBarcodeRequest ComGkSoftwareSelfscanningApiServiceProcessBarcodeRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
400	Bad Request. The request could not be understood by the server due to malformed syntax. The client SHOULD NOT repeat the request without modifications.	
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.2. LineItemService

2.2.1. lineItemService.registerLineItem

`POST /com.gk_software.selfscanning.api.service.LineItemService/registerLineItem`

Adds a line item to the currently active transaction.

Description

Adds a line item to the currently active transaction.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The RegisterLineItemRequest ComGkSoftwareSelfscanningApiServiceRegisterLineItemRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.2.2. lineItemService.setQuantity

POST [/com.gk_software.selfscanning.api.service.LineItemService/setQuantity](#)

Sets/updates the quantity in the currently active transaction according to the given SetQuantityRequest.

Description

Sets/updates the quantity in the currently active transaction according to the given SetQuantityRequest.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The SetQuantityRequest ComGkSoftwareSelfscanningApiServiceSetQuantityRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.2.3. lineItemService.voidLineItem

POST [/com.gk_software.selfscanning.api.service.LineItemService/voidLineItem](#)

Voids line item in the currently active transaction according to the given VoidLineItemRequest.

Description

Voids line item in the currently active transaction according to the given VoidLineItemRequest.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The VoidLineItemRequest ComGkSoftwareSelfscanningApiServiceVoidLineItemRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.3. SessionService

2.3.1. sessionService.endSelfScanningSession

POST /com.gk_software.selfscanning.api.service.SessionService/endSelfScanningSession

Ends a self scanning session. It can either suspend or cancel the current active transaction.

Description

Ends a self scanning session. It can either suspend or cancel the current active transaction.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The EndSessionRequest ComGkSoftwareSelfscanningApiServiceEndSessionRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceEndSessionResponse](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The EndSessionResponse object.	ComGkSoftwareSelfscanningApiServiceEndSessionResponse
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.3.2. sessionService.startSelfScanningSession

POST /com.gk_software.selfscanning.api.service.SessionService/startSelfScanningSession

Starts a self scanning session.

Description

Starts a self scanning session.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The StartSessionRequest ComGkSoftwareSelfscanningApiServiceStartSessionRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceStartSessionResponse](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The StartSessionResponse object.	ComGkSoftwareSelfscanningApiServiceStartSessionResponse

2.4. StoredValueServerService

2.4.1. storedValueServerService.sellGiftCertificate

POST /com.gk_software.selfscanning.api.service.StoredValueServerService/sellGiftCertificate

Sells a gift certificate.

Description

Sells a gift certificate.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The GiftCertificateRequestSSC ComGkSoftwareSelfscanningApiServiceGiftCertificateRequestSSC	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
401	Unauthorized. In case of an invalid session.	

Code	Message	Datatype
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.5. TransactionService

2.5.1. transactionService.cancelTransaction

POST `/com.gk_software.selfscanning.api.service.TransactionService/cancelTransaction`

Cancel an uncompleted transaction which is associated with current session.

Description

Cancel an uncompleted transaction which is associated with current session.

Parameters

Return Type

[ComGkSoftwareSelfscanningApiServiceCancelTransactionResult](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The CancelTransactionResult object.	ComGkSoftwareSelfscanningApiServiceCancelTransactionResult
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.5.2. transactionService.createTransaction

POST `/com.gk_software.selfscanning.api.service.TransactionService/createTransaction`

Creates a new transaction.

Description

Creates a new transaction.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The CreateTransactionRequest ComGkSoftwareSelfscanningApiServiceCreateTransactionRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceCreateTransactionResult](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The CreateTransactionResult object.	ComGkSoftwareSelfscanningApiServiceCreateTransactionResult
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>"pos_session_read_only_request"</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.5.3. transactionService.failoverTransaction

POST [/com.gk_software.selfscanning.api.service.TransactionService/failoverTransaction](#)

Create a failover transaction based on a replay of a transaction log.

Description

Create a failover transaction based on a replay of a transaction log.

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
body	The FailoverTransactionRequest ComGkSoftwareSelfscanningApiServiceFailoverTransactionRequest	X		

Return Type

[ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The TransactionOperationResultSSC object.	ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.5.4. transactionService.getTransaction

POST [/com.gk_software.selfscanning.api.service.TransactionService/getTransaction](#)

Gets the existing transaction (if there exist one) out of the current session.

Description

Gets the existing transaction (if there exist one) out of the current session.

Parameters

Return Type

[ComGkSoftwareSelfscanningApiServiceGetTransactionResult](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The GetTransactionResult object.	ComGkSoftwareSelfscanningApiServiceGetTransactionResult
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

2.5.5. transactionService.recoverTransaction

POST [/com.gk_software.selfscanning.api.service.TransactionService/recoverTransaction](#)

Recovers the transaction. If there is a customer number assigned to the session, then it will first check for unfinished transactions for the customer. If there is one this transaction will be recovered. In case of existing suspended transaction for the customer this transaction will be loaded. If there is no unfinished nor a suspended transaction or no customer assigned, then a fallback is used to create a new transaction.

Description

Recovers the transaction. If there is a customer number assigned to the session, then it will first check for unfinished transactions for the customer. If there is one this transaction will be recovered. In case of existing suspended transaction for the customer this transaction will

be loaded. If there is no unfinished nor a suspended transaction or no customer assigned, then a fallback is used to create a new transaction.

Parameters

Return Type

[ComGkSoftwareSelfscanningApiServiceRecoverTransactionResult](#)

Content Type

- application/json

Responses

Code	Message	Datatype
200	The RecoverTransactionResult object.	ComGkSoftwareSelfscanningApiServiceRecoverTransactionResult
401	Unauthorized. In case of an invalid session.	
429	Too many requests. This response is possible if for the assigned session there is already a service request in progress. As service calls may modify transaction data, it is not allowed to have parallel requests for the same session. But there is one exception to this rule. There exists the header flag <code>\pos_session_read_only_request\</code> . A client can use this flag to indicate that it is sending just a read only service request, e.g. for requesting gift certificate information. In such a case the request will be processed without returning HTTP error code 429.	

Chapter 3. Models

3.1. ComGkSoftwareSelfscanningApiServiceAnalyzeBarcodeRequest

AnalyzeBarcodeRequest Request object for the analyze barcode operation.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
barcodeType		String	The barcode type.	
value		String	The value.	
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.2. ComGkSoftwareSelfscanningApiServiceAnalyzeBarcodeResponse

AnalyzeBarcodeResponse Response object for the analyze barcode operation.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	

Field Name	Required	Type	Description	Format
actions		List of ComGkSoftwareSelfscanningApiServiceBarcodeProcessingAction	A list of barcode processing actions.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.3. [ComGkSoftwareSelfscanningApiServiceBarcodeProcessingAction](#)

BarcodeProcessingAction Object that wraps all necessary information regarding barcode processing.

Field Name	Required	Type	Description	Format
processName		String	The process name of the process that should handle this barcode action.	
reactionName		String	The reaction name in the process that should handle this barcode action.	
configId		String	The identifier of the configuration that should be used for this barcode action.	
variables		Map of String	A map of variables and values. It is taken from the process event that was triggered by the barcode scan and it can contain variables of the process that are filled by the barcode input.	
configParameterOverrides		Map of String	A map of configuration parameters that should be overridden.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.4. [ComGkSoftwareSelfscanningApiServiceCancelTransactionResult](#)

CancelTransactionResult Result object for cancel transaction request.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.5. [ComGkSoftwareSelfscanningApiServiceCreateTransactionRequest](#)

CreateTransactionRequest Request object for the create transaction operation.

Field Name	Required	Type	Description	Format
xxCustom01		String	Customizable information.	

Field Name	Required	Type	Description	Format
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.6. ComGkSoftwareSelfscanningApiServiceCreateTransactionResult

CreateTransactionResult Response object for create transaction request.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
transaction		com.gk_software.selfscanning.api.service.TransactionSSC		
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.7. ComGkSoftwareSelfscanningApiServiceEndSessionRequest

EndSessionRequest Request object for the end self scanning operation.

Field Name	Required	Type	Description	Format
cancelTransactionFlag	X	Boolean	A flag to indicate that the current transaction should also be canceled when ending the self scanning session.	
endOfTripAnswer		Boolean	A flag to indicate whether the end of trip question was answered 'YES' (true) or 'NO' (false) or not even asked (null value).	
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.8. ComGkSoftwareSelfscanningApiServiceEndSessionResponse

EndSessionResponse Response object for the end self scanning operation.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
transactionCanceledFlag	X	Boolean	A flag to indicate whether the transaction was canceled (true) or not (false).	
suspendNumber		String	The suspend number under which the self scanning transaction can be retrieved again (e.g. at pay tower or a stationary POS).	
xXCustom01		String	Customizable information.	

Field Name	Required	Type	Description	Format
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.9. ComGkSoftwareSelfscanningApiServiceFailoverTransactionRequest

FailoverTransactionRequest Request object for handling transaction failover.

Field Name	Required	Type	Description	Format
transactionId		String	The identifier of the failover transaction.	
transactionLog		String	The log of all recorded actions and its parameters, that were applied to the original transaction and will be redone on new created transaction on the failover post-service.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.10. ComGkSoftwareSelfscanningApiServiceFrequentShopperPointsModifierSSC

FrequentShopperPointsModifierSSC TODO: undocumented

Field Name	Required	Type	Description	Format
retailTransactionLineItemSequenceNumber	X	Integer		int32
frequentShopperPointsModifierSequenceNumber	X	Integer		int32
promotionID		String		
priceDerivationRuleID		String		
priceDerivationRuleEligibilityID		String		
triggerSequenceNumber		Integer		int32
eligibilityTypeCode		String		
frequentShopperPointsEarnedCount	X	Double		double
frequentShopperPointsEarnedAmount	X	Double		double
appliedQuantity	X	Double		double
computationBaseAmount	X	Double		double
externalSystemOriginatorFlag	X	Boolean		
prorateFrom		Integer		int32
pointsPercentage		Double		double
receiptPrinterName		String		
xxCustom01		String		
xxCustom02		String		
xxCustom03		String		
xxCustom04		String		
xxCustom05		String		

3.11. ComGkSoftwareSelfscanningApiServiceGetTransactionResult

GetTransactionResult Result object for get transaction request.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
transaction		com.gk_software.selfscanning.api.service.TransactionSSC		
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.12. ComGkSoftwareSelfscanningApiServiceGiftCertificateRequestSSC

GiftCertificateRequestSSC Request object for self scanning stored value server service to sell gift certificates.

Field Name	Required	Type	Description	Format
configId		String	The identifier for the gift certificate sale configuration that should be used.	
variables		Map of [String]	@deprecated because it is not used by service.	
configParameterOverrides		Map of [String]	A map of configuration parameters that should be overridden.	
giftCertificateDescription		String	The gift certificate description.	
giftCertificateQuantity		Integer	The quantity for the gift certificate.	int32
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.13. ComGkSoftwareSelfscanningApiServiceProcessBarcodeRequest

ProcessBarcodeRequest Request object for the process barcode operation.

Field Name	Required	Type	Description	Format
barcodeType		String	The identifier of the barcode type. (E.g. 104 == EAN13)	
value		String	The barcode.	
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.14. ComGkSoftwareSelfscanningApiServiceQuantityInputSSC

QuantityInputSSC Object for wrapping quantity input.

Field Name	Required	Type	Description	Format
pieces		Integer	The pieces.	int32
length		Double	The length.	double
width		Double	The width.	double
height		Double	The height.	double
measure		Double	The measure.	double
weight		Double	The weight.	double
manualWeightInput		Boolean	The manual weight input.	
units		Double	The units.	double
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.15. ComGkSoftwareSelfscanningApiServiceRecoverTransactionResult

RecoverTransactionResult Result object for recover transaction request.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
transaction		com.gk_software.selfscanning.api.service.TransactionSSC		
lastUsedLineItemSequenceNumber		Integer	The last used line item sequence number of the transaction on pos-service side. It helps the self scanning client to handle correct item registration to offline transaction and later synchronize again with pos-service self scanning transaction response, because self scanning transaction does not include void line items and there could be visible gaps in sequence numbering that are not resolvable for the client without help from pos-service.	int32
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.16. ComGkSoftwareSelfscanningApiServiceRegisterLineItemRequest

RegisterLineItemRequest Request object for the registerItem operation.

Field Name	Required	Type	Description	Format
barcode		String	The barcode for the line item registration.	
quantityInput		com.gk_software.selfscanning.api.service.QuantityInputSSC		
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	

Field Name	Required	Type	Description	Format
xXCustom05		String	Customizable information.	

3.17. ComGkSoftwareSelfscanningApiServiceRegistrationDetails

RegistrationDetails Details of item registration.

Field Name	Required	Type	Description	Format
mainPOSItemid		String	The main POS item identifier.	
itemName		String	The item name.	
usedBarcode		String	The used barcode value in case of non successful item registration. In case of successful item registration you will find the unprocessed barcode value at the SaleReturnLineItem.registrationNumber field.	
prepaidItem	X	Boolean	A flag to indicate whether the registration is about a prepaid item (true) or not (false).	
hasLinkedItems	X	Boolean	A flag to indicate whether the registered item has linked items (true) or not (false).	
variantItemsAvailable	X	Boolean	A flag to indicate whether the registered item has item variants available (true) or not (false).	
emptiesReturn	X	Boolean	A flag to indicate whether the registered item is an empties return (true) or not (false).	
hasInvalidQuantity	X	Boolean	A flag to indicate whether the item registration failed due to invalid quantity (true) or not (false).	
price	X	Double	The item price.	double
salesRestrictions		List of ComGkSoftwareSelfscanningApiServiceSalesRestrictionsInfo	List of sales restrictions.	
forceQuantityInput	X	Boolean	If set to true the quantity must be entered manually.	
quantityInputMethod		String	Defines the quantity input method: <ul style="list-style-type: none"> Quantity Input Method 01: QUANTITY, (PIECE as 'PIECE') Quantity Input Method 02: QUANTITY + LENGTH, (LENGTH as 'LENGTH') Quantity Input Method 03: QUANTITY + LENGTH + WIDTH, (AREA as 'AREA') Quantity Input Method 04: QUANTITY + LENGTH + WIDTH + HEIGHT, (VOLUME as 'VOLUME') Quantity Input Method 05: QUANTITY + WEIGHT, (WEIGHT as 'WEIGHT') Quantity Input Method 06: QUANTITY + MEASURE, (MEASUREMENT as 'MEASUREMENT') Quantity Input Method 07: QUANTITY with decimal places, (PARTITION as 'PARTITION') 	
preregisteredQuantity		Integer	The pre-registered quantity for the item.	int32
uomCode		String	The unit of measurement code.	

3.18. ComGkSoftwareSelfscanningApiServiceRetailPriceModifierSSC

RetailPriceModifierSSC TODO: undocumented

Field Name	Required	Type	Description	Format
retailTransactionLineItemSequenceNumber	X	Integer		int32

Field Name	Required	Type	Description	Format
retailPriceModifierSequenceNumber	X	Integer		int32
promotionID		String		
priceDerivationRuleID		String		
priceDerivationRuleEligibilityID		String		
reasonCode		String		
previousPrice		Double		double
percent	X	Double		double
amount	X	Double		double
calculationMethodCode		String		
adjustmentMethodCode		String		
newPrice		Double		double
eligibilityTypeCode		String		
extendedAmountBeforeModification	X	Double		double
extendedAmountAfterModification	X	Double		double
appliedQuantity	X	Double		double
triggerSequenceNumber		Integer		int32
reasonDescription		String		
extraAmount	X	Double		double
roundingAmount	X	Double		double
externalSystemOriginatorFlag	X	Boolean		
prorateFrom		Integer		int32
calculationBaseAmount	X	Double		double
receiptPrinterName		String		
xXCustom01		String		
xXCustom02		String		
xXCustom03		String		
xXCustom04		String		
xXCustom05		String		

3.19.

ComGkSoftwareSelfscanningApiServiceRetailTransactionCouponSummarySSC

RetailTransactionCouponSummarySSC Entity RetailTransactionCouponSummarySSC

Field Name	Required	Type	Description	Format
couponNumber	X	String	The coupon number.	
inputCount	X	Double	Count of registered coupons.	double
appliedCount		Double	Number of used coupons.	double
privilegeType		String	Determines how the new price is to be calculated in case that rebate information is given by PrivilegeValue.	
privilegeValue		Double	Reduction amount, reduction percent or new price amount – depending on the chosen PrivilegeType.	double
customerID		String	A unique system assigned identifier for the Customer.	
customerAddressTypeCode		String	The customer type code.	

Field Name	Required	Type	Description	Format
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.20. ComGkSoftwareSelfscanningApiServiceRetailTransactionCustomerSSC

RetailTransactionCustomerSSC TODO: undocumented

Field Name	Required	Type	Description	Format
customerID		String		
firstName		String		
lastName		String		
addressTypeCode		String		
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.21.

ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemAssociationSSC

RetailTransactionLineItemAssociationSSC Entity RetailTransactionLineItemAssociationSSC

Field Name	Required	Type	Description	Format
lineItemSequenceNumber	X	Integer	The sequence number of line item.	int32
toTransactionID	X	String		
toLineItemSequenceNumber	X	Integer	The sequence number of the linked line item.	int32
lineItemAssociationTypeCode	X	String	A retailer assigned code denoting the relationship between the two items.	
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.22. ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemKeySSC

RetailTransactionLineItemKeySSC Entity RetailTransactionLineItemKeySSC

Field Name	Required	Type	Description	Format
businessUnitGroupID	X	String	A unique system assigned identifier for a group of BusinessUnits.	
transactionID	X	String	A universally unique identifier (UUID) for the Transaction. This may be assembled from alternate key members.	
retailTransactionLineItemSequenceNumber	X	Integer	The sequence number of line item within the context of this RetailTransaction.	int32

3.23. ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemSSC

RetailTransactionLineItemSSC Entity RetailTransactionLineItemSSC

Field Name	Required	Type	Description	Format
key	X	com.gk_software.selfscanning.api.service.RetailTransactionLineItemKeySSC		
retailTransactionLineItemTypeCode		String	A code to denote the type of retail transaction line item, such as Sale/Return, Void, Tender ...	
voidFlag		Boolean	A boolean indicator that tells if this line item is VOIDED or not.	
voidTypeCode		String	Describes whether the line item was voided immediately after registering it, voided by another line item or internally voided	
saleReturnLineItem		com.gk_software.selfscanning.api.service.SaleReturnLineItemSSC		
retailTransactionLineItemAssociationList		List of ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemAssociationSSC	Defines a list of line item associations.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.24. ComGkSoftwareSelfscanningApiServiceSaleReturnLineItemSSC

SaleReturnLineItemSSC Entity SaleReturnLineItemSSC

Field Name	Required	Type	Description	Format
retailTransactionLineItemSequenceNumber	X	Integer	The sequence number of line item within the context of this RetailTransaction.	int32
mainPOSItemID		String	The main pos item id	
itemID		String	A unique identifier for the item	
unitOfMeasureCode		String	The code used to specify the unit of the item	
itemType		String	The type code of the line item	
subItemType		String	The sub type code of the line item	
regularUnitPrice		Double	The regular per-unit price	double
actualUnitPrice		Double	The actual per-unit price	double
actualUnitPriceQuantity		Integer	The actual unit price quantity.	int32
quantity		Integer	The single quantity of a line item Piece Item:3 * itemQuantity = 3Units = 1Weight item:3 * 1.234kg * itemQuantity = 3Units = 1.234Item with deposit:3 * six-pack (1 six-pack has 6 * deposit item)six-pack: Quantity = 3, Units = 1 deposit: Quantity = 3, Units = 6	int32
units		Double	The units of the line item Piece Item:3 * itemQuantity = 3Units = 1Weight item:3 * 1.234kg * itemQuantity = 3Units = 1.234Item with deposit:3 * six-pack (1 six-pack has 6 * deposit item)six-pack: Quantity = 3, Units = 1 deposit: Quantity = 3, Units = 6	double
extendedAmount		Double	The product of multiplying Quantity, Units and ActualUnitPrice.	double
extendedDiscountAmount		Double	The monetary total of all line item discounts that were applied to this Item.	double

Field Name	Required	Type	Description	Format
grandExtendedAmount		Double	The line item total including taxes and discounts	double
length		Double	The registered length	double
width		Double	The registered width	double
height		Double	The registered height	double
manualWeightInputFlag		Boolean	Describes how the weight was registered	
receiptText		String	The receipt printout text	
registrationNumber		String	The complete number which was registered on the POS originally	
negativeLineItemFlag		Boolean	If this flag is set to true, automatically a negative line item is created when registering this item. Corresponds to ItemSellingRule.NegativeLineItemFlag	
discountFlag		Boolean	A flag to indicate whether this ITEM can be discounted. Corresponds to Item.DiscountFlag	
frequentShopperPointsEligibilityFlag		Boolean	A flag to denote that the Item is eligible for frequent shopper points. Corresponds to ItemSellingRule.FrequentShopperPointsEligibilityFlag	
prohibitReturnFlag		Boolean	A flag to denote whether or not this item may be returned.	
taxReceiptPrintCode		String	A short code that is printed on a receipt to denote items that are in this TaxableGroup.	
taxGroupID		String	The id of the taxable TaxableGroup	
originalTaxGroupID		String	The original id of the taxable group.	
retailPriceModifierList		List of ComGkSoftwareSelfscanningApiServiceRetailPriceModifierSSC	List of line item discounts.	
frequentShopperPointsModifierList		List of ComGkSoftwareSelfscanningApiServiceFrequentShopperPointsModifierSSC	List of line item points discounts	
quantityInputTypeCode		String	Type code for controlling the quantity input.	
quantityInputMethod		String	Determines how the input of quantity was done.	
pOSItemID		String	The ID used to identify the item.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.25. ComGkSoftwareSelfscanningApiServiceSalesRestrictionInfo

SalesRestrictionInfo The sales restriction details.

Field Name	Required	Type	Description	Format
salesRestrictionTypeCode		String	Sales restriction type code, e.g. AGE, CAGE, TIME.	
salesRestrictionValue		String	The value of the sales restriction - its content depends on the SalesRestrictionTypeCode.	
questionTypeCode		String	Type code of the question.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.26. ComGkSoftwareSelfscanningApiServiceSetQuantityRequest

SetQuantityRequest Request object for the setQuantity operation.

Field Name	Required	Type	Description	Format
lineItemKey		com.gk_software.selfscanning.api.service.RetailTransactionLineItemKeySSC		
quantityInput		com.gk_software.selfscanning.api.service.QuantityInputSSC		
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.27. ComGkSoftwareSelfscanningApiServiceStartSessionRequest

StartSessionRequest Request object for the start self scanning operation.

Field Name	Required	Type	Description	Format
businessUnitId		String	The business unit identifier.	
customerNumber		String	The customer number.	
customerLocale		String	The customer locale (e.g. en_US).	
clientVersion		String	The client software version. Max. 40 characters.	
deviceId		String	The device identifier.	
removalDate		String	The timestamp when the device was removed from the self scanning disposal wall.	
beginDateTimestampGreaterOrEquals		String	The date time after which the transaction would have been created. Date format 'yyyy-MM-dd'T'HH:mm:ss.SSS' (no timezone)	
validationCode	X	Integer	The validation code.	int32
authorizationCodeFlag	X	Boolean	The authorization code flag.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.28. ComGkSoftwareSelfscanningApiServiceStartSessionResponse

StartSessionResponse Response object for the start self scanning operation.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
openTransactionFlag	X	Boolean	A flag to indicate whether there is already an open transaction assigned to the customer. As a next step a recovery could be done to continue this transaction.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	

Field Name	Required	Type	Description	Format
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.29. ComGkSoftwareSelfscanningApiServiceTransactionOperationResultSSC

TransactionOperationResultSSC The entity TransactionOperationResultSSC contains the result of a service execution and is used for providing transaction updates fields updates for service clients.

Field Name	Required	Type	Description	Format
operationStatus		String	The operation status 'OK' or 'NOK'.	
statusCode		String	Contains the status code in case of unsuccessful operation.	
transaction		com.gk_software.selfscanning.api.service.TransactionSSC		
addedOrdModifiedLineItems		List of ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemSSC	The line items added or modified by a service execution.	
actions		List of ComGkSoftwareSelfscanningApiServiceBarcodeProcessingAction	A list of barcode processing actions that were involved triggering the transaction change operation.	
closedLineItems		List of Integer	The line items closed during a service execution.	int32
deletedLineItems		List of Integer	The line items deleted by a service execution.	int32
filtered		Boolean	A flag to indicate whether the transaction operation result is filtered (true) or not (false). A filtered result contains only the differences/deltas to the previous transaction status and not the whole transaction (field transaction will be empty). A not filtered result contains the whole updated transaction.	
registrationDetails		com.gk_software.selfscanning.api.service.RegistrationDetails		
xXCustom01		String	Customizable information.	
xXCustom02		String	Customizable information.	
xXCustom03		String	Customizable information.	
xXCustom04		String	Customizable information.	
xXCustom05		String	Customizable information.	

3.30. ComGkSoftwareSelfscanningApiServiceTransactionSSC

TransactionSSC Entity TransactionSSC

Field Name	Required	Type	Description	Format
businessUnitGroupID	X	String	A unique system assigned identifier for a group of BusinessUnits.	
transactionID	X	String	A universally unique identifier (UUID) for the Transaction. This may be assembled from alternate key members.	
sequenceNumber		Integer	The sequence number of the transaction (incremental number for each workstation). It is formatted according to minimum and maximum value and it could be reset every day to minimum value. So in comparison to InternalSequenceNumber it must not be unique for business unit and workstation. It is used for export, reporting, search and display.	int32
beginDateTimestamp		String	The time and date a transaction is initiated.	

Field Name	Required	Type	Description	Format
retailTransactionLineItems		List of ComGkSoftwareSelfscanningApiServiceRetailTransactionLineItemSSC	list of line items	
retailTransactionCouponSummary		List of ComGkSoftwareSelfscanningApiServiceRetailTransactionCouponSummarySSC	Defines a list of coupons.	
retailTransactionCustomer		List of ComGkSoftwareSelfscanningApiServiceRetailTransactionCustomerSSC		
subtotal		Double	The monetary value of the transaction subtotal without transaction discounts.	double
subtotalDiscount		Double	The monetary value of the transaction subtotal with transaction discounts.	double
total		Double	The monetary value of the transaction total (includes taxes that are not included in prices).	double
discountTotal		Double		double
bonusPointsTotal		Double		double
customerLocale		String	The customer locale.	
validationCode		String	The validationCode.	
iSOCurrencyCode		String	The main currency of the store.	
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	

3.31. ComGkSoftwareSelfscanningApiServiceVoidLineItemRequest

VoidLineItemRequest Request object for the voidLineItem operation.

Field Name	Required	Type	Description	Format
lineItemKey		com.gk_software.selfscanning.api.service.RetailTransactionLineItemKeySSC		
xxCustom01		String	Customizable information.	
xxCustom02		String	Customizable information.	
xxCustom03		String	Customizable information.	
xxCustom04		String	Customizable information.	
xxCustom05		String	Customizable information.	