Technical documentation
ECB Integration API
2013-2018

Content

1 Introduction

1.1 About this document

This document describes integration API between Service Partner Company and ECB.

1.2 Abbreviations

Some commonly used abbreviations in this document.

SP	Scalepoint
SPC	Service Partner Company
IC	Insurance Company
IP	Integration point
JSON	JavaScript Object Notation
REST	Representational state transfer
TLS	Transport Layer Security
HTTP	Hypertext Transfer Protocol
HTTPS	HTTP Secure

1.3 Functional description

Service partner companies use internal systems for claim handling. And SPC employees need to work with ECB and internal systems at the same time. This means that they have to manually type in same information twice, and track own tasks in both systems. The intent of integration API is to reduce SPC employees time spent on administrative work.

2 Technical description

2.1 In general

Integration API will consist of several integration points provided by both ECB application and SPC internal system. For example, SPC can integrate some documents like damage service report from internal system to ECB application and ECB will automatically notify SPC internal system about changes on claims assigned to SPC.

2.2 API Versioning and URLs

2.2.1 API Versioning

To support backward compatibility when breaking changes are introduced in Integration API, ECB application supports Integration API versioning. It is supported in both directions – version is added to ECB API URLs and is configurable per SPC

when sending requests to SPC internal system, so that SPC integration with ECB won't break if new API version is introduced.

2.2.2   ECB Application URLs

All ECB application URLs presented in this document are relative to the common base path. Common base URL path consists of two parts: ECB web application root (example: https://sandbox.scalepoint.com/ecx/host) plus Integration API base path (example: "/api/integration/v1").

ECB common base URL path is referred as <ECBIntegrationAPIUrl> later in this document. Example: https://sandbox.scalepoint.com/ecx/host/api/integration/v1

We strongly recommend making ECB common base URL path configurable in SPC internal system, because we can use several servers with ECB application installed (for test purposes).

Scalepoint will provide ECB application common base URL paths for test and production environments to SPC on demand.

2.2.3   SPC Internal System URLs

We require SPC to provide full base URL path to their integration points so that all the requests to SPC internal system are using URLs staring from this base path. It will allow to configure SPC integration point base path URL once per SPC in ECB application thus decreasing configuration complexity and increasing integration flexibility (easier to add new integration points in future).

SPC common base URL path is referred as <SPCIntegrationAPIUrl> later in this document.

SPC internal system URLs for specific integration points are defined later in this document.

2.3 Transport and Invocation

The transport layer for integration point will be implemented using JSON over HTTPS approach. JSON examples and schemas should be distributed with this document and are referenced below by their file names.

Integration points are designed in a REST-like manner, so to invoke an Integration point one will need to issue an HTTPS request to an URL with JSON payload defined in this document below. All such requests must explicitly specify Content-Type header field as "application/json", otherwise the request will fail.

In addition to JSON payload, integration points are using HTTP status codes to report request results. Examples:
· 200 OK – when request was processed successfully;
· 201 Created – when new object was created in receiver system;
· 403 Forbidden – when authentication failed for request;

- 404 Not Found – when resource to be updated was not found;
- 500 Internal Server Error – when request processing resulted in unexpected error.

Request size should not exceed 50MB.

2.4 Security

It is vital that we provide adequate security to protect the integration. To ensure that only Scalepoint ECB and SPC systems are able to send and read the integration point messages the solution aim to protect against any intrusion and unauthorized access to data exchange. Both parties should restrict access and not allow external clients, and even limit clients within internal networks.

Security is achieved by the following rules:
- SPC should have pre-shared secret string key called Security Token[1] which will be a part of all JSON schemas. This will allow to authorize and recognize SPC and ECB application;
- TLS/HTTPS will be used for payload encryption so no sensitive data will appear in Integration Point URLs.

2.5 Error handling

Integration API endpoint call may result in network error or error on receiver side. In this situation sender (either ECB or SPC internal system) should retry sending request until it is either successfully processed or all allowed retry attempts are failed.

ECB implements retries with increasing intervals (for example: in 5 seconds, in 20 seconds, in 1 minute etc). If request can't be delivered after a fixed amount of time, ECB will notify IT staff about an error during SPC integration.

Receiver party should be aware that, due to network connectivity errors, same request might be received twice or more (for example, if it was processed successfully but sender didn't receive a response due to network error). Such duplicated requests must be correctly handled on receiver side (for example, no duplicate entities should be created in receiver system as a result). ECB behavior in case of request duplicates is described per integration point (see below).

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[1] Please note that Security key is unique for each Insurance Company – and for each environment

3 Integration Points provided by ECB

Integration points to be invoked by Service Partner internal system

3.1 Submit Damage Service Report

3.1.1 Integration point URL

URL: <ECBIntegrationAPIUrl>/DamageServiceReport/Submit

HTTP METHOD: POST

URL Example:

https://sandbox.scalepoint.com/ecx/host/api/integration/v1/DamageServiceReport/Submit

3.1.2 Request structure

Schema: SubmitDamageServiceReportRequest.schema.json

Example: SubmitDamageServiceReportRequest.example.json

3.1.2.1 Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

* Here and later * after property name means that property is required, ** conditionally required. Properties without those marks are optional.

3.1.2.2 Payload object

Property	Description
claim*	Claim object
report*	Report object
service	Service object

3.1.2.3 Claim object

Property	Description

id*	Claim unique identifier in ECB
policy.insuranceCompany.alias*	Insurance company alias in ECB application

3.1.2.4 Report object

Property	Description
responsibleUserLogin*	User login of SPC employee responsible for damage report. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
referenceNumber	Claim reference number in internal SPC system
damageDescription*	Damage Description object
acuteDamageStop	Acute Damage Stop object
followUpDamageStop	Follow up damage stop object
message	Free text description that will appear on Messages Tab
files	Collection of File objects

3.1.2.5 Damage Description object

Property	Description
description*	Free text damage description
photos	Collection of File objects representing damage images only

3.1.2.6 Acute Damage Stop object

Property	Description
arrival*	Date and time of arrival to claimant. Should be in ISO 8601 format without time zone (always treated as date/time in tenant local time zone)
workPerformed*	Free text description of performed work
subTotal	Total estimated acute cost amount (ex. VAT)

3.1.2.7 Follow up Damage Stop object

Property	Description

estimatedStart*	Estimated work start date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
estimatedFinish*	Estimated work finish date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workDescription*	Free text description of required work scope
calculationType	Specifies whether estimated expense items should be used or total estimated amount. Possible values are: "Items", "Amount"
groups	Collection of [Report Group objects](#)
items	Collection of [Report Item objects](#) (redundant when groups are available)
subTotal	Total estimated cost amount (ex. VAT)

3.1.2.8   File object

Property	Description
name*	Full file name with proper extension ie. file.docx, file.pdf
mimeType*	File [MIME type](#). For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before [Base64](#) encoding
description	Free text file description
content*	[Base64](#)-encoded file content

3.1.2.9   Report Item object

Property	Description
title**	Item title (required only when externalCode and externalSource not provided)
category**	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional", "Dehumidification", "UnitPrice", "Transport", "ExternalSupplier", "WorkUnit", "CustomMaterials". (required only when fulfilled by and type not provided)

unit**	Item Unit Of Measure identifier
	Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "Pair", "Half", "Unit", "SquareMetersDays", "ManualWorkUnit", "KiloWattHours" (required only when externalCode and externalSource not provided)
quantity*	Quantity of items
unitPrice**	Item unit price (ex. VAT, required only when externalCode and externalSource not provided)
vat**	VAT amount (required only when externalCode and externalSource not provided)
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy**	Who fulfills item. Supported values are: "MyCompany", "Subcontractor", "Claimant" (required only when category not provided)
type**	Items type. Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other" (required only when category or externalCode and externalSource not provided)
subitems	Subitem collection of Report Item objects

3.1.2.10 Report Group object

Property	Description
name*	Group name
items	Collection of Report Item objects

3.1.2.11 Service object

Property	Description
orderNumber	Order number of a service that the report is related to

3.1.3 Response structure

Schema: SubmitDamageServiceReportDraftResponse.schema.json

Example: SubmitDamageServiceReportDraftResponse.example.json

3.1.3.1 Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	[Payload object](#) with integration endpoint specific data

3.1.3.2 Payload object

Property	Description
report.submitDraftUrl	URL for Submit damage report form in ECB application to complete report submission from the draft
report.viewUrl*	URL for view damage report form in ECB application.
warnings	List of warnings if not possible to submit damage service report.

3.1.4 Request with warning handling

If there are no all data submitted and not possible to submit damage service report then warnings node will be present in payload response and damage service report draft will be created instead.

3.1.5 Duplicate requests handling

If ECB claim with ID **payload.claim.id** already contains damage service report draft with reference number equal to **payload.report.referenceNumber** then existing draft will be overwritten with data from new request.

If ECB claim with ID **payload.claim.id** already contains damage service report with reference number equal to **payload.report.referenceNumber** then new report will be created and existing one will become outdated.

If no damage service report with given reference number exists on a claim then new with data from request will be created.

3.2 Submit Damage Service Report Draft

3.2.1 Integration point URL

URL: <ECBIntegrationAPIUrl>/DamageServiceReport/Draft
HTTP METHOD: POST

URL Example:
https://sandbox.scalepoint.com/ecx/host/api/integration/v1/DamageServiceReport/Draft

3.2.2   Request structure

Uses the same schemas as [Submit Damage Service Report](#).

Schema: SubmitDamageServiceReportRequest.schema.json

Example: SubmitDamageServiceReportRequest.example.json

3.2.3   Response structure

Uses the same schema as [Submit Damage Service Report](#).

Schema: SubmitDamageServiceReportDraftResponse.schema.json

Example: SubmitDamageServiceReportDraftResponse.example.json

3.2.4   Duplicate requests handling

If ECB claim with ID **payload.claim.id** already contains damage service report draft with reference number equal to **payload.report.referenceNumber** then existing draft will be overwritten with data from new request.

If no damage service report draft with given reference number exists on a claim then new with data from request will be created.

3.3 Can Submit Invoice

3.3.1   Integration point URL

URL: <ECBIntegrationAPIUrl>/Invoice/CanSubmit

HTTP METHOD: POST

URL Example:
https://sandbox.scalepoint.com/ecx/host/api/integration/v1/Invoice/CanSubmit

3.3.2   Request structure

Schema: CanSubmitInvoiceRequest.schema.json

Example: CanSubmitInvoiceRequest.example.json

3.3.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other

timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

3.3.2.2   Payload object

Property	Description
claim*	Claim object
responsibleUserLogin*	User login of SPC employee responsible for invoice. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
invoiceType*	Invoice type identifier that SPC is going to submit. Possible values are: "None", "Repair", "DamageService"
expenseType*	Expense type that SPC is going to submit. Possible values are: "Invoice" - shall be used for "Repair" and "DamageService" invoice types. "CreditNote", "ClaimantOwnWork", "PaymentOnAccountInvoice", "CashCompensation" – shall be used with "None" invoice type.
service	Service object

3.3.2.3   Claim object

Property	Description
id*	Claim unique identifier in ECB
policy.insuranceCompany.alias*	Insurance company alias in ECB application

3.3.3   Response structure

Schema: CanSubmitInvoiceResponse.schema.json

Example: CanSubmitInvoiceResponse.example.json

3.3.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	Payload object with integration endpoint specific data

3.3.3.2   Payload object

Property	Description
canSubmitInvoice*	Indicates whether Service Partner can submit invoice in ECB or not. Possible values: "true", "false"
claimUrl	URL to the claim Settlement tab in ECB.
estimatedCost	Estimated Cost object that represents calculations from latest approved repair offer or damage service report.
paymentOnAccountDeduction*	Payment on account balance to be deducted. It is calculated in ECB basing on submitted invoices (amount without VAT)

3.3.3.3   Estimated Cost object

Property	Description
calculationType	Specifies whether estimated expense items should be used or total estimated amount. Possible values are: "Items", "Amount"
groups	Collection of Expense Group objects
items	Collection of Expense Item objects (redundant when groups are available)
totalAmount	Total estimated cost amount (ex. VAT)
externalMaterialsEstimatedCost	External material supplier Estimated Cost object. Toggle "calculateExternalMaterialsSeparately" required to be true

3.3.3.4   Expense Item object

Property	Description

title*	Item title
category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional"
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays"
amount*	Amount of items
unitPrice	Item unit price (ex. VAT)
agreementPrice*	Unit price with discount according to agreements with SPC (ex. VAT)
salesPrice*	Item sales price. Should be either unitPrice or agreementPrice value (ex. VAT)
vat*	VAT amount
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy	Who fulfills item Supported values are: "MyCompany", "Subcontractor", "Claimant"
type	Item type Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other"
subitems	Subitem collection of Expense Item objects

3.3.3.5 Expense Group object

Property	Description
name*	Group name
items	Collection of Expense Item objects

3.3.3.6 External material supplier Estimated Cost object

Property	Description
totalInvoicedExternalMaterialsAmount	Total invoiced external material expense for service
totalInvoicedRewardAmount	Total reward for service (based on invoice)
totalEstimatedExternalMaterialsAmount	Total estimated external material expenses in last approved offer
estimatedRewardAmount	Estimated reward in last approved offer

3.3.3.7 Service object

Property	Description
orderNumber	Order number of a service that the invoice is related to

3.3.4   Implementation notes

ECB checks whether Service Partner user is allowed to submit full invoice, not to save it as draft.

3.4 Submit Invoice

3.4.1   Integration point URL

URL: <ECBIntegrationAPIUrl>/Invoice/Submit
HTTP METHOD: POST

URL Example: https://sandbox.scalepoint.com/ecx/host/api/integration/v1/Invoice/Submit

3.4.2   Request structure

Schema: SubmitInvoiceRequest.schema.json
Example: SubmitInvoiceRequest.example.json

3.4.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated

payload*	Payload object with integration endpoint specific data

3.4.2.2 Payload object

Property	Description
claim*	Claim object
invoice*	Invoice object
binary**	Binary object (required only when invoice not provided)
service	Service object

3.4.2.3 Claim object

Property	Description
id*	Claim unique identifier in ECB
policy.insuranceCompany.alias*	Insurance company alias in ECB application

3.4.2.4 Invoice object

Property	Description
responsibleUserLogin*	User login of SPC employee that is responsible for invoice. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
responsibleUserFullName*	User full name of SPC employee that is responsible for invoice.
number	Invoice number. Could be empty if dry-run option is used for validating pre-invoice. Invoice number is **required** to submit real invoice. Invoice number is unique independently from the invoice and expense types. Max length: 50
invoiceIdentifier	Payment reference. InvoiceIdentifier object.

date*	Invoice UTC date/time. Should be in [ISO 8601](#) format without time zone.
dueDate	Invoice UTC due date/time. Should be in [ISO 8601](#) format without time zone.
expenseType*	Expense type identifier. Possible values are: "Invoice" - shall be used for "Repair" and "DamageService" invoice types. "CreditNote", "ClaimantOwnWork", "PaymentOnAccountInvoice", "CashCompensation" – shall be used with "None" invoice type. **Note:** Only unrelated Credit notes (CN) could be submitted. Related CN are not supported. To submit related CN first submit unrelated draft and then follow to ECB, specify related invoice manually and submit CN.
invoiceType*	Invoice type identifier. Possible values are: "None", "Repair", "DamageService"
isDraft*	"true" to save invoice as draft, "false" to submit invoice. **Note:** some insurance companies can disable ability to submit full invoice. In such case this field is also ignored and draft invoice is always created.
groups	Collection of [Invoice Group](#) objects
items	Collection of [Invoice Item](#) objects (redundant when groups are available)
paymentOnAccountDeduction*	Payment on account deduction amount (ex. VAT)
	Note: ECB validates that POA deduction does not exceed POA balance that is calculated in ECB.
paymentOnAccountDeductionVat*	Payment on account deduction VAT amount
subtotal*	Invoice subtotal amount
vat*	Invoice VAT amount
total*	Invoice total amount
issuerName*	Issuer name. Max length: 150
issuerEmail*	Issuer email. Max length: 320

issuerFaxNumber	Issuer fax number. Max length: 255
issuerPhoneNumber*	Issuer phone number. Max length: 255
issuerAddress*	[Address object](#)
issuerCvrNumber*	Issuer CVR number. Max length: 20
issuerGiro	Issuer Giro. Max length: 20
issuerBankBranchNumber	Issuer bank branch number. Max length: 4
issuerAccountNumber	Issuer account number. Max length: 20
description	Invoice free-text description for claimant own work
invoiceRemark	Extra information related to invoice – free text area
files	Collection of [File objects](#)
subitems	Subitem collection of [Invoice Item](#) objects

3.4.2.5   InvoiceIdentifier object

Only one of the properties must be supplied.

Property	Description
fik	Danish payment reference. [Fik](#) object
kid	Norwegian payment reference number. Min length: 2 digits. Max length: 25 digits.

3.4.2.6   Fik object

Property	Description
type*	Payment type code. Possible values: 71, 73, 75
identifier*	Contains customer number (8 digits) and invoice number (6 digits). Strict length: 15 (plus control digit)
creditorNumber*	Creditor number.
	Strict length: 8 digits.

3.4.2.7   Invoice Item object

Property	Description
title*	Item title

category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional"
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "None"
amount*	Amount of units
unitPrice*	Item unit price (ex. VAT)
vat*	VAT amount
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy**	Who fulfills item Supported values are: "MyCompany", "Subcontractor", "Claimant" (required only when category not provided)
type**	Item type Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other" (required only when category not provided)

3.4.2.8   Address object

Property	Description
street*	Street. Max length: 1000
street2	Street second line. Max length: 1000
postalCode*	Postal code. Min length: 3, Max length: 10
city*	City. Max length: 255
country*	Country ISO code Example: "DK", "NO", "SE"

3.4.2.9   File object

Property	Description
name*	Full file name with proper extension ie. file.docx, file.pdf
mimeType*	File MIME type. For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before Base64 encoding
description	Free text file description
content*	Base64-encoded file content

3.4.2.10 Report Group object

Property	Description
name*	Group name
items	Collection of Invoice Item

3.4.2.11 Binary object

Property	Description
name*	File name
responsibleUserLogin*	User login of SPC employee that is responsible for invoice. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described
mimeType*	File MIME type. Supported values are: "application/vnd.oioubl+xml"
content*	Base64-encoded file content

3.4.2.12 Service object

Property	Description
orderNumber	Order number of a service that the invoice is related to

3.4.3   Response structure

Schema: SubmitInvoiceResponse.schema.json

Example: SubmitInvoiceResponse.example.json

3.4.3.1 Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	[Payload object](#) with integration endpoint specific data

3.4.3.2 Payload object

Property	Description
invoice.url*	URL to complete invoice submission in ECB in case when draft invoice was created, otherwise URL to view invoice in ECB
invoice.status*	Invoice status Possible values are: "Proposed", "Canceled", "Obsolete", "Draft", "Settled"

3.4.4   Implementation notes

If by some reason ECB fails to submit invoice then it always tries to save report as draft instead and report back "Draft" status and URL to complete invoice in ECB.

Some insurance companies can restrict Service Partner to submit full invoice. In this case Service Partner is able to create draft invoice only.

3.4.5   Duplicate requests handling

If ECB claim with ID **payload.claim.id** already contains invoice with number equal to **payload.invoice.number** then no new invoices will be created and response with existing invoice URL and status will be sent back.

3.5 Submit Invoice - Dry Run

3.5.1   Integration point URL

URL: <ECBIntegrationAPIUrl>/Invoice/Submit/dry-run
HTTP METHOD: POST

URL Example:
https://sandbox.scalepoint.com/ecx/host/api/integration/v1/Invoice/Submit/Dryrun

3.5.2   Request structure

Request structure is absolutely the same as for Submit Invoice endpoint request structure

3.5.3   Response structure

Response structure is absolutely the same as for [Submit Invoice endpoint response structure](#)

3.5.4 Implementation notes

This endpoint should be used when validation for pre-invoice is required. ECB will validate pre-invoice amount.

Please note that **no real or draft invoice will be created** in ECB even if response indicates no errors.

Invoice number is optional field for dry-run mode.

3.6 Get File Content

3.6.1 Integration point URL

URL: <ECBIntegrationAPIUrl>/FileContent/Download

HTTP METHOD: POST

URL Example:

https://sandbox.scalepoint.com/ecx/host/api/integration/v1/FileContent/Download

3.6.2 Request structure

Schema: GetFileContentRequest.schema.json

Example: GetFileContentRequest.example.json

3.6.2.1 Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generadtion UTC date/time. Should be in [ISO 8601](#) format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	[Payload object](#) with integration endpoint specific data

3.6.2.2 Payload object

Property	Description
id*	File unique identifier in ECB
responsibleUserLogin*	User login of SPC employee that is responsible for invoice. Also used to identify specific service partner company in SPC organization

	Note: List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it
insuranceCompanyAlias*	Insurance company alias in ECB application

3.6.3   Response structure

Schema: GetFileContentResponse.schema.json

Example: GetFileContentResponse.example.json

3.6.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	Payload object with integration endpoint specific data

3.6.3.2   Payload object

Property	Description
content	File content encoded in Base64 format.

3.7 Submit FNoL

3.7.1   Integration point URL

URL: <ECBIntegrationAPIUrl>/fnol/submit

HTTP METHOD: POST

URL Example: https://sandbox.scalepoint.com/ecx/host/api/integration/v1/fnol/submit

3.7.2   Request structure

Example: FnolSubmitRequest.example.txt

FNoL submit request must be in form of multipart/form-data which means that it must include Content-Type header equal to: "multipart/form-data; boundary=<unique text value>". For more details of this content type and boundaries please see Content-Type description.

The request must include only one part with Content-Type header equal to "application/vnd.casecreation+json". This part will be treated as a FNoL payload.

Request can consist also of other parts that will be processed and treated as attachments for submitted FNoL.

FNoL payload schema is the same as for the unified case creation and it is tenant specific. For more details, please see case integration api.

3.8 Submit Offer

3.8.1   Integration point URL

URL: <ECBIntegrationAPIUrl>/Offer/Submit

HTTP METHOD: POST

URL Example:
https://sandbox.scalepoint.com/ecx/host/api/integration/v1/Offer/Submit

3.8.2   Request structure

Schema: SubmitOfferRequest.schema.json

3.8.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

* Here and later * after property name means that property is required, ** conditionally required. Properties without those marks are optional.

3.8.2.2   Payload object

Property	Description
serviceType	String key that defines which service submits an offer. "Repair" stands for repair service and "Damage" stands for damage service.
claim*	Claim object
report**	Report object
offer**	Offer object

3.8.2.3　Claim object

Property	Description
id*	Claim unique identifier in ECB
policy.insuranceCompany.alias*	Insurance company alias in ECB application

3.8.2.4　Report object

Property	Description
responsibleUserLogin*	User login of SPC employee responsible for damage report. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
referenceNumber	Claim reference number in internal SPC system
damageDescription*	Damage Description object
acuteDamageStop	Acute Damage Stop object
followUpDamageStop	Follow up damage stop object
message	Free text description that will appear on Messages Tab
files	Collection of File objects

3.8.2.5　Damage Description object

Property	Description
description*	Free text damage description
photos	Collection of File objects representing damage images only

3.8.2.6　Acute Damage Stop object

Property	Description
arrival*	Date and time of arrival to claimant. Should be in ISO 8601 format without time zone (always treated as date/time in tenant local time zone)
workPerformed*	Free text description of performed work

subTotal	Total estimated acute cost amount (ex. VAT)

3.8.2.7   Follow up Damage Stop object

Property	Description
estimatedStart*	Estimated work start date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
estimatedFinish*	Estimated work finish date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workDescription*	Free text description of required work scope
calculationType	Specifies whether estimated expense items should be used or total estimated amount. Possible values are: "Items", "Amount"
groups	Collection of [Report Group objects](#)
items	Collection of [Report Item objects](#) (redundant when groups are available)
subTotal	Total estimated cost amount (ex. VAT)

3.8.2.8   File object

Property	Description
name*	Full file name with proper extension ie. file.docx, file.pdf
mimeType*	File [MIME type](#). For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before [Base64](#) encoding
description	Free text file description
content*	[Base64](#)-encoded file content

3.8.2.9   Report Item object

Property	Description
title**	Item title (required only when externalCode and externalSource not provided)

category**	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional", "Dehumidification", "UnitPrice", "Transport", "ExternalSupplier", "WorkUnit", "CustomMaterials". (required only when fulfilled by and type not provided)
unit**	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "Pair", "Half", "Unit", "SquareMetersDays", "ManualWorkUnit", "KiloWattHours" (required only when externalCode and externalSource not provided)
quantity*	Quantity of items
unitPrice**	Item unit price (ex. VAT, required only when externalCode and externalSource not provided)
vat**	VAT amount (required only when externalCode and externalSource not provided)
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy**	Who fulfills item. Supported values are: "MyCompany", "Subcontractor", "Claimant" (required only when category not provided)
type**	Items type. Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other" (required only when category or externalCode and externalSource not provided)
subitems	Subitem collection of [Report Item objects](#)

3.8.2.10 Report Group object

Property	Description
name*	Group name
items	Collection of [Report Item objects](#)

3.8.2.11 Offer object

Property	Description
isDraft*	Boolean flag representing if submitted offer is a draft.
responsibleUserLogin*	User login of SPC employee responsible for damage report. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
calculationType*	Specifies if submitted report is quote or estimate. Allowed values are: "Estimate", "Quote".
expensesOption*	Determines if submitted report is for repair of cash compensation. Allowed values are: "Repar", "Compensation"
fullCashCompensation**	Value of cash compensation. Required if expensesOption is set to "Compensation"
fullCashCompensationComment**	Optional comment for cash compensation
depreciationType*	Depreciation type for an offer. Possible values are: "None", "NoDepreciation", "FixedAmount", "PercentPerLine".
depreciation**	Total value of depreciation. Required if depreciationType is set to "FixedAmount".
repairStartDate*	Estimated work start date. Should be in ISO 8601 format without time zone (always treated as date/time in tenant local time zone)
estimatedRepairEndDate*	Estimated work finish date. Should be in ISO 8601 format without time zone (always treated as date/time in tenant local time zone)
workIncludes*	Additional comment for an offer.
subTotal*	Subtotal value for an entire offer.
groups**	Collection of Group object
items*	Collection of Item objects
deductibleDetails*	Collection of Deductible details objects

3.8.2.12 Item object

Property	Description
guid**	Unique identifier of an item. Required only if there are multiple groups, the item has subitems, or the item is a subitem of another item. Applicable only for EasyOffer users.
parentGuid**	Unique identifier of an item that is a parent of this item. Applicable only for EasyOffer users.
groupGuid**	Unique identifier of a group that contains this item. Applicable only for EasyOffer users. Only required if groups are provided.
index**	Index of an item on the offer. Starts from 0. Applicable only for EasyOffer users.
title*	Item title
quantity*	Quantity of items
category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional", "Dehumidification", "UnitPrice", "Transport", "ExternalSupplier", "WorkUnit", "CustomMaterials".
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "Pair", "Half", "Unit", "SquareMetersDays", "ManualWorkUnit", "KiloWattHours" (required only when externalCode and externalSource not provided)
unitPrice*	Item unit price (ex. VAT)
vat*	VAT amount

Property	Description
vatPercentage*	VAT percentage amount
depreciationPercent**	Depreciation percentage amount for an item if depreciationType in Offer object was set to "PercentPerLine"
subitems**	Collection of Item objects

3.8.2.13 Deductible details object

Property	Description
deductible*	Current deductible amount.
originalDeductible*	Original amount of deductible.
damageCount**	Damage count. Required if deductibleOptions is set to "ConditionalDeductible".
deductibleOption*	Deductible option to use. Allowed options are "None", "PolicyDeductible", "ConditionalDeductible", "PercentageDeductible", "ZeroDeductible"
deductibleModifier**	Deductible modifier amount. Required if deductibleOption is set to "ConditionalDeductible".
deductibleReason**	Reason for deductible. Required if deductibleOptions is set to "ConditionalDeductible".
deductiblePercent**	Deductible percent value. Required if deductibleOption is set to "PercentageDeductible".
percentageDeductibleMinValue**	Minimum percentage value for deductible. Required if deductibleOption is set to "PercentageDeductible".
percentageDeductibleMaxValue**	Maximum percentage value for deductible. Required if deductibleOption is set to "PercentageDeductible".

3.8.2.14 Group object

Property	Description
guid*	Unique identifier of a group
name*	Group name

Property	Description
index*	Group index. Specifies order of a group on the offer. Starts from 0. Two groups cannot have the same index.

* Group object is optional if all items are under one group. This object is only viable for EasyOffer users.

3.8.3   Response structure
3.8.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	Returns submitted offer payload

4 Integration Points provided by Service Partner
Integration points to be invoked by ECB application

4.1 New Responsibilities Assigned

4.1.1   Integration point URL
URL: <SPCIntegrationAPIUrl>/Claim/NewResponsibilities
HTTP METHOD: PUT

URL Example:
https://servicepartnercompany.com/ecbintegration/Claim/NewResponsibilities

4.1.2   Request structure
Schema: NewResponsibilitiesAssignedRequest.schema.json
Example: NewResponsibilitiesAssignedRequest.example.json

4.1.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other

timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.1.2.2 Payload object

Property	Description
claim*	Claim object
assignmentData	AssignmentData object
newResponsibilities*	Collection of Responsibility objects

4.1.2.3 Claim object

Property	Description
id*	Claim unique identifier in ECB
number*	Claim number
url*	URL to Claim Details in ECB
policy*	Policy object
damageAddress*	Address object
damageDetails*	Damage Details object
policyHolder*	Claim Contact object representing policy holder
otherContacts	Collection of other Claim Contact objects

4.1.2.4 Policy object

Property	Description
insuranceCompany*	Insurance Company object
policyNumber*	Claim policy number
sector*	Claim sector identifier Supported values: Private, Commercial, Agriculture, ChangeOfOwnership, Government, HolidayHome, ContentCommercial, ContentPrivate, Enterprise, Other

4.1.2.5 Address object

Property	Description
street	Street line #1
street2	Street line #2
postalCode	Postal code
city	City
geoCoordinate	GeoCoordinate object

4.1.2.6 Damage Details object

Property	Description
damageDate*	Damage date. Should be in ISO 8601 format without time zone
damageCategory*	Damage category identifier. Supported values can vary depending on IC.
damageCause*	Damage cause identifier. Supported values can vary depending on IC.
description	Damage description by claimant

4.1.2.7 Insurance Company object

Property	Description
alias*	Insurance company alias in ECB application
subcompanyAlias*	Sub-company alias in ECB application
subcompanyName*	Sub-company name

4.1.2.8 Claim Contact object

Property	Description
name*	Contact name
address*	Address object
Email	Contact email
telephone*	Contact phone
Cellphone	Contact mobile phone

4.1.2.9 Responsibility object

Property	Description

type*	Responsibility identifier Supported values: "Inspection", "Repair", "DamageService"
isAcute	Flag which specifies if damage stop request is acute
mergedDamageNotification	Damage Notification Reference object

4.1.2.10 Damage Notification Reference object

Property	Description
id*	Damage Notification unique identifier in ECB
referenceNumber	Claim reference number in SPC internal system.

4.1.2.11 Assignment Data object

Property	Description
servicePartner	ServicePartner object
services	Collection of Service objects
assignmentNote	Assignment note (comment)

4.1.2.12 ServicePartner object

Property	Description
name	Company name
address	Company business Address object
commercialTaxId	CVR-number
icNumber	Internal IC-number
locationAddress	Nearest company Address object
distance	Distance between location address and damage address
profession	Collection of merged professions separated by coma f.e. "Plumber, Sewer, Carpenter, Electrician, Glazier, Bricklayer"

4.1.2.13 Service object

Property	Description
serviceId	Service unique identifier in ECB
serviceType	

4.1.2.14   GeoCoordinate object

Property	Description
latitude	Latitude
longitude	Longitude

4.1.3   Response structure

Schema: NewResponsibilitiesAssignedResponse.schema.json

Example: NewResponsibilitiesAssignedResponse.example.json

4.1.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
Payload	Payload object with integration endpoint specific data

4.1.3.2   Payload object

Property	Description
claim.referenceNumber*	Claim reference number in SPC internal system

4.2 Recommended Tasks Updated

4.2.1   Integration point URL

URL: <SPCIntegrationAPIUrl>/Claim/RecommendedTasks

HTTP METHOD: PUT

URL Example:

https://servicepartnercompany.com/ecbintegration/Claim/RecommendedTasks

4.2.2   Request structure

Schema: RecommendedTasksUpdatedRequest.schema.json

Example: RecommendedTasksUpdatedRequest.example.json

4.2.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other

timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone.
	Note: Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.2.2.2 Payload object

Property	Description
claim*	Claim object
tasks*	Collection of Task objects

4.2.2.3 Claim object

Property	Description
id*	Claim unique identifier in ECB
number*	Claim number
url*	URL to Claim Details in ECB
damageServiceDetails.referenceNumber	Claim reference number in SPC internal system
deductible	Current deductible value
claimEmailAddress	Email address dedicated to a claim.

4.2.2.4 Task object

Property	Description
name*	Recommended task name in ECB (in insurance company locale)
deadline	Recommended task deadline in ECB. Should be in ISO 8601 format without time zone (always treated as date/time in tenant local time zone)
service	ServiceData object

4.2.2.5 ServiceData object

Property	Description
status	Service status

startDate	Repair start date. For inspection service: date of service request.
endDate	Estimated repair end date. For inspection service: date of service completion.
visitDate	Date of scheduled visit
inspectionDate	Date of scheduled inspection

4.2.3   Response structure

Schema: RecommendedTasksUpdatedResponse.schema.json

Example: RecommendedTasksUpdatedResponse.example.json

4.2.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any

4.2.4   Implementation notes

ECB might send "Recommended tasks updated" request to SPC internal system without preceding "New responsibilities assigned" request. Request handler on SPC internal system side should be able to correctly handle such requests.

It is possible to use ECB test application to test integration

NewResponsebilities:
<server>ecx/AutomaticPaymentsTestApp/IntegrationApi/Index#/NewResponsibilitiesAssigned/restClient

NewTasks:
<server>/ecx/AutomaticPaymentsTestApp/IntegrationApi/Index#/RecommendedTasksUpdated/restClient

DamageServiceReport:
<server>/ecx/AutomaticPaymentsTestApp/IntegrationApi/Index#/SubmitDamageServiceReportDraft/restClient

4.3 Damage Service Report Event [Deprecated]

4.3.1   Integration point URL

URL: <SPCIntegrationAPIUrl>/Claim/DamageServiceReport

HTTP METHOD: PUT

URL Example:
https://servicepartnercompany.com/ecbintegration/Claim/DamageServiceReport

4.3.2   Request structure

Schema: DamageServiceReportEventRequest.schema.json

Example: DamageServiceReportEventRequest.example.json

4.3.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.3.2.2   Payload object

Property	Description
claim*	Claim object
report*	Report object

4.3.2.3   Claim object

Property	Description
id*	Claim unique identifier in ECB
number*	Claim number
url*	URL to Claim Details in ECB

4.3.2.4   Report object

Property	Description
responsibleUserLogin*	User login of SPC employee responsible for damage report. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.

referenceNumber	Claim reference number in internal SPC system
damageDescription	[Damage Description object](#)
acuteDamageStop	[Acute Damage Stop object](#)
followUpDamageStop	[Follow up damage stop object](#)
status*	Damage service report status Possible values are: "Proposed", "Approved", "Rejected", "Draft"
rejectionReason	Damage service report rejection reason in case when report was rejected
url*	URL to report details in ECB
message	Free text description that will appear on Messages Tab
files	Collection of [File objects](#)

4.3.2.5   Damage Description object

Property	Description
description*	Free text damage description
photos	Collection of [File objects](#) representing damage images only

4.3.2.6   Acute Damage Stop object

Property	Description
arrival*	Date and time of arrival to claimant. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workPerformed*	Free text description of performed work

4.3.2.7   Follow up Damage Stop object

Property	Description
estimatedStart	Estimated work start date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
estimatedFinish	Estimated work finish date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workDescription*	Free text description of required work scope

estimatedCost*	[Estimated Cost object](#)

4.3.2.8 Estimated Cost object

Property	Description
calculationType	Specifies whether estimated expense items should be used or total estimated amount. Possible values are: "Items", "Amount"
groups	Collection of [Expense Group objects](#)
items	Collection of [Expense Item objects](#) (redundant when groups are available)
totalAmount	Total estimated cost amount (ex. VAT)

4.3.2.9 Expense Item object

Property	Description
title*	Item title
category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional"
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "None"
amount*	Amount of items
unitPrice	Item unit price (ex. VAT)
agreementPrice*	Unit price with discount according to agreements with SPC (ex. VAT)
salesPrice*	Sales price. agreementPrice value multiplied by amount of items (ex. VAT)
vat*	VAT amount
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source

Property	Description
fulfilledBy	Who fulfills item. Supported values are: "MyCompany", "Subcontractor", "Claimant"
type	Items type. Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other"
subitems	Subitem collection of Expense Item objects

4.3.2.10   File object

Property	Description
name*	File name
mimeType*	File MIME type. For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before Base64 encoding
description	Free text file description
id*	File unique identifier in ECB

4.3.2.11 Expense Group object

Property	Description
name*	Group name
items	Collection of Expense Item objects

4.3.3   Response structure

Schema: DamageServiceReportEventResponse.schema.json

Example: DamageServiceReportEventResponse.example.json

4.3.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	Payload object with integration endpoint specific data

4.3.3.2   Payload object

Property	Description
claim.referenceNumber*	Claim reference number in SPC internal system

4.3.4   Implementation notes

This endpoint is invoked in both cases when new damage service report was created in ECB and when existing damage service report was modified or its status was changed.

ECB can send only those fields that were modified in damage service report. For example, when report was approved the only Status field is changed, and no information about the report will be included in the request except for required fields and Status field. This allows to avoid sending the same information each time something happens with the report.

4.4 Report Status Changed Event

4.4.1 Integration point URL

URL: <SPCIntegrationAPIUrl>/Claim/ReportStatusChanged

HTTP METHOD: PUT

URL Example:
https://servicepartnercompany.com/ecbintegration/Claim/ReportStatusChanged

4.4.2 Request structure

Schema: ReportStatusChangedEventRequest.schema.json

Example: ReportStatusChangedEventRequest.example.json

4.4.2.1 Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.4.2.2 Payload object

Property	Description
claim*	Claim object
report*	Report object

4.4.2.3 Claim object

Property	Description
id*	Claim unique identifier in ECB

number*	Claim number
url*	URL to Claim Details in ECB

4.4.2.4 Report object

Property	Description
reportType*	Report type that indicates the concrete *Report object* payload. Possible values are: "DamageService", "RepairOffer"
responsibleUserLogin*	User login of SPC employee responsible for the report. Also used to identify specific service partner company in SPC organization **Note:** List of all users in SPC organization can be obtained using by, example for *DamageService*, Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
referenceNumber	Claim reference number in internal SPC system
damageDescription	**[Only for reportType=*DamageService*]** Damage Description object
acuteDamageStop	**[Only for reportType=*DamageService*]** Acute Damage Stop object
followUpDamageStop	**[Only for reportType=*DamageService*]** Follow up damage stop object
status*	Report status. Possible values are: "Proposed", "Approved", "Rejected", "Draft"
rejectionReason	Report rejection reason in case when report was rejected
url*	URL to report details in ECB
message	Free text description that will appear on Messages Tab
files	Collection of File objects

4.4.2.5 Damage Description object [only for reportType=DamageService]

Property	Description

description*	Free text damage description
photos	Collection of [File objects](#) representing damage images only

4.4.2.6 Acute Damage Stop object [only for reportType=DamageService]

Property	Description
arrival*	Date and time of arrival to claimant. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workPerformed*	Free text description of performed work

4.4.2.7 Follow up Damage Stop object [only for reportType=DamageService]

Property	Description
estimatedStart	Estimated work start date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
estimatedFinish	Estimated work finish date. Should be in [ISO 8601](#) format without time zone (always treated as date/time in tenant local time zone)
workDescription*	Free text description of required work scope
estimatedCost*	[Estimated Cost object](#)

4.4.2.8 Estimated Cost object [only for reportType=DamageService]

Property	Description
calculationType	Specifies whether estimated expense items should be used or total estimated amount. Possible values are: "Items", "Amount"
groups	Collection of [Expense Group objects](#)
items	Collection of [Expense Item objects](#) (redundant when groups are available)
totalAmount	Total estimated cost amount (ex. VAT)

4.4.2.9 Expense Item object [only for reportType=DamageService]

Property	Description
title*	Item title

category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional"
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "None"
amount*	Amount of items
unitPrice	Item unit price (ex. VAT)
agreementPrice*	Unit price with discount according to agreements with SPC (ex. VAT)
salesPrice*	Sales price. agreementPrice value multiplied by amount of items (ex. VAT)
vat*	VAT amount
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy	Who fulfills item. Supported values are: "MyCompany", "Subcontractor", "Claimant"
type	Items type. Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other"
subitems	Subitem collection of Expense Item objects

4.4.2.10 File object [only for reportType=DamageService]

Property	Description
name*	File name
mimeType*	File MIME type. For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before Base64 encoding
description	Free text file description

id*	File unique identifier in ECB

4.4.2.11 Expense Group object [only for reportType=DamageService]

Property	Description
name*	Group name
items	Collection of Expense Item objects

4.4.3   Response structure

Schema: ReportStatusChangedEventResponse.schema.json

Example: ReportStatusChangedEventResponse.example.json

4.4.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	Payload object with integration endpoint specific data

4.4.3.2   Payload object

Property	Description
claim.referenceNumber*	Claim reference number in SPC internal system

4.4.4   Implementation notes

This endpoint is invoked in both cases when new report was created in ECB and when existing report was modified or its status was changed.

ECB always sends all fields (not only the ones that were modified in the report).

4.5 Invoice Event

4.5.1   Integration point URL

URL: <SPCIntegrationAPIUrl>/Claim/Invoice

HTTP METHOD: PUT

URL Example: https://servicepartnercompany.com/ecbintegration/Claim/Invoice

4.5.2   Request structure

Schema: InvoiceEventRequest.schema.json

Example: InvoiceEventRequest.example.json

4.5.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order (per claim) – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.5.2.2   Payload object

Property	Description
claim*	Claim object
invoice*	Invoice object

4.5.2.3   Claim object

Property	Description
id*	Claim unique identifier in ECB
number*	Claim number
url*	URL to Claim Details in ECB
damageServiceDetails.referenceNumber	Claim reference number in SPC internal system

4.5.2.4   Invoice object

Property	Description
responsibleUserLogin*	User login of SPC employee that is responsible for invoice. Also used to identify specific service partner company in SPC organization
	Note: List of all users in SPC organization can be obtained using Damage Notification integration points. Those point are described in a separate specification, please contact Scalepoint to obtain it.
responsibleUserFullName*	User full name of SPC employee that is responsible for invoice.
number*	Invoice number. Max length: 50

invoiceIdentifier	Payment reference. InvoiceIdentifier object.
date*	Invoice UTC date/time. Should be in ISO 8601 format without time zone.
dueDate	Invoice UTC due date/time. Should be in ISO 8601 format without time zone.
invoiceType*	Invoice type identifier. Possible values are: "None", "Repair", "DamageService"
expenseType*	Expense type identifier. Possible values are: "Invoice" - would be used for "Repair" and "DamageService" invoice types. "CreditNote", "PaymentOnAccountInvoice"– would be used with "None" invoice type.
status*	Invoice status Possible values are: "Proposed", "Canceled", "Obsolete", "Draft", "Settled"
rejectionReason	Invoice rejection reason in case when invoice was rejected
groups	Collection of Invoice Group objects
items	Collection of Invoice Item objects (redundant when groups are available)
paymentOnAccountDeduction	Payment on account deduction amount (ex. VAT)
paymentOnAccountDeductionVat	Payment on account deduction VAT amount
subtotal	Invoice subtotal amount
vat	Invoice VAT amount
total*	Invoice total amount
issuerName	Issuer name. Max length: 150
issuerEmail	Issuer email. Max length: 320
issuerFaxNumber	Issuer fax number. Max length: 255
issuerPhoneNumber	Issuer phone number. Max length: 255
issuerAddress	Address object
issuerCvrNumber	Issuer CVR number. Max length: 20
issuerGiro	Issuer Giro. Max length: 20
issuerBankBranchNumber	Issuer bank branch number. Max length: 4
issuerAccountNumber	Issuer account number. Max length: 20

description	Invoice free-text description
invoiceRemark	Extra information related to invoice
files	Collection of File objects

4.5.2.5 InvoiceIdentifier object

Only one of the properties must be supplied.

Property	Description
fik	Danish payment reference. Fik object
kid	Norwegian payment reference number. Min length: 2 digits. Max length: 25 digits.

4.5.2.6 Fik object

Property	Description
type*	Payment type code. Possible values: 71, 73, 75
identifier*	Contains customer number (8 digits) and invoice number (6 digits). Strict length: 15 (plus control digit)
creditorNumber*	Creditor number. Strict length: 8 digits.

4.5.2.7 Invoice Item object

Property	Description
title*	Item title
category*	Item Category identifier Supported values are: "Wages", "Materials", "Equipment", "Subcontractor", "Claimant", "Other", "EquipmentInsurance", "SubcontractorAdmin", "EnvironmentAdditional"
unit*	Item Unit Of Measure identifier Supported values are: "Pcs", "Hours", "Days", "Kilograms", "Liters", "Meters", "SquareMeters", "CubicMeters", "Lbm", "Sum", "Tonnes", "Bags", "Kilometers", "CubicMetersDays", "None"
amount*	Amount of units
unitPrice*	Item unit price (ex. VAT)

vat*	VAT amount
externalCode	Item code from external system
externalId	Product identifier from external system
externalSource	Item external system source
fulfilledBy	Who fulfills item Supported values are: "MyCompany", "Subcontractor", "Claimant"
type	Item type Supported values are: "Service", "Materials", "Equipment", "EnvironmentalFee", "Dehumidification", "Other"
subitems	Subitem collection of Invoice Item objects

4.5.2.8   Address object

Property	Description
street*	Street. Max length: 1000
street2	Street second line. Max length: 1000
postalCode*	Postal code. Min length: 3, Max length: 10
city*	City. Max length: 255
country*	Country ISO code Example: "DK", "NO", "SE"

4.5.2.9   File object

Property	Description
name*	File name
mimeType*	File MIME type. For example, "image/jpeg", "text/html"
Size	Original file size in bytes, before Base64 encoding
description	Free text file description
id*	File unique identifier in ECB

4.5.2.10 Invoice Group object

Property	Description
name*	Group name

items	Collection of [Invoice Item objects](#)

4.5.3   Response structure

Schema: InvoiceEventResponse.schema.json

Example: InvoiceEventResponse.example.json

4.5.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any
payload	[Payload object](#) with integration endpoint specific data

4.5.3.2   Payload object

Property	Description
claim.referenceNumber*	Claim reference number in SPC internal system
invoice.number*	Invoice number. Shall match invoice number from the request.
	Max length: 50
invoice.date*	Invoice UTC date/time. Should be in ISO 8601 format without time zone. Shall match invoice number from the request.
invoice.total*	Invoice total amount (incl. VAT) Shall match invoice number from the request.

4.5.4   Implementation notes

This endpoint is invoked in both cases when new invoice was created in ECB and when existing invoice was modified or its status was changed. It is also invoked in case when SubmitInvoice endpoint was invoked with 'Draft' invoice status.

If invoice summary from the response does not correspond to request information then the attempt is considered as failed and will be retried.

ECB can send only those fields that were modified in invoice. For example, when report was rejected the only Status field is changed, and no information about the invoice will be included in the request except for required fields and Status field. This allows to avoid sending the same information each time something happens with the invoice.

4.6 Files Available Event

4.6.1   Integration point URL

URL: <SPCIntegrationAPIUrl>/File/FilesAvailable

HTTP METHOD: PUT

URL Example: https://servicepartnercompany.com/ecbintegration/File/FilesAvailable

4.6.2 Request structure

Schema: FilesAvailableEventRequest.schema.json

Example: FilesAvailableEventRequest.example.json

4.6.2.1 Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.6.2.2 Payload object

Property	Description
files*	Collection of Files objects

4.6.2.3 Files object

Property	Description
id*	File unique identifier in Scalepoint system. Can be used to download file contents with Get File Content request
name*	File name
mimeType*	File MIME type. For example, "image/jpeg", "text/html"
size	Original file size in bytes, before Base64 encoding
description	Free text file description
claim	Claim object to which file is attached

4.6.2.4 Claim object

Property	Description

id*	Claim unique identifier in Scalepoint system
number*	Claim number

4.6.3   Response structure

Schema: FilesAvailableEventResponse.schema.json

Example: FilesAvailableEventResponse.example.json

4.6.3.1   Root object

Property	Description
success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any

4.7 Responsible Changed Event

4.7.1   Integration point URL

URL: <SPCIntegrationAPIUrl>/Claim/ResponsibleChanged

HTTP METHOD: PUT

URL Example:

https://servicepartnercompany.com/ecbintegration/Claim/ResponsibleChanged

4.7.2   Request structure

Schema: ClaimResponsibleChangedEventRequest.schema.json

Example: ClaimResponsibleChangedEventRequest.example.json

4.7.2.1   Root object

Property	Description
securityToken*	Pre-shared secret string key that is used to authenticate SPC and ECB to each other
timestamp*	Message generation UTC date/time. Should be in ISO 8601 format without time zone. **Note:** Can be used to restore messages original order – due to network/server errors it's not guaranteed that messages will arrive in the order they were generated
payload*	Payload object with integration endpoint specific data

4.7.2.2   Payload object

Property	Description
Property	Description

claim*	Claim object
company*	Company object
formerUser	User object
newUser*	User object
userType*	Type of new user. Possible values are: "InternalAssessor", "ClaimHandler", "ServicePartnerUser"
roles*	Array of user roles in related claim. Possible values are: "DamageService", "DamageInspector", "Assessor", "CaseOwner", "ReportOwner", "Craftsman", "CustomTaskAssignee"
requestedBy	User object

4.7.2.3   Claim object

Property	Description
id*	Claim unique identifier in Scalepoint system
number*	Claim number
owner*	User object

4.7.2.4 Company object

Property	Description
name*	Service partner name or insurance company name
cvr	Service partner cvr number or insurance company cvr number

4.7.2.5   User object

Property	Description
name*	User name
email*	User email

4.7.3   Response structure

Schema: ClaimResponsibleChangedEventResponse.schema.json
Example: ClaimResponsibleChangedEventResponse.example.json

4.7.3.1   Root object

Property	Description

success*	Boolean flag representing if request is processed successfully
errorDescription	Description of errors, if any

4.7.4   Implementation notes

This endpoint is invoked in both cases when service partner changed assigned user to a service or insurance company changed responsible user in a claim e.g. claim owner, assessor.