openprocurement.contracting.ceasefire Documentation

Release 1.0

Myroslav Opyr

Contents

Please report any problems or suggestions for improvement either via the mailing list or the issue tracker.

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Overview

Ceasefire contracting

1.1 Features

- On contract activation in award, the object *contract* is formed in the *Contracting Module* component

- For object activation in the system the owner has to use the transfer token and assign the status *active.payment* to the object

- The created *contract* contains three *milestones*

- Each *milestone* corresponds to certain contract terms and conditions

- Each *milestone* contains dueDate corresponding to the final date until which all the indicated terms and conditions are to be fulfilled

- In order to confirm the completion of the *financing milestone* conditions the Organiser is obliged to set the *dateMet* for identification of payment reception from the participant

- On condition that the payment was not received the Organiser has the right to set the milestone to status *notMet* upon which the *contract* will be assigned the status *pending.unsuccessful*

- In order to confirm the completion of the *approval milestone* conditions the Organiser has to upload the document (*documentType:approvalProtocol*) into the contract having provided the indications *documentOf:milestone* and *relatedItem* with the corresponding milestone identifier and to set the *dateMet*

- In order to assign the *notMet* status to *pproval mileston* it is necessary to upload the document (*documentType:rejectionProtocol*) upon which the contract status will be changed to *pending.unsuccessful*

- In order to confirm the completion of the *reporting milestone* conditions the Organiser has to set *dateMet*

- In order to assign the *notMet* status to rejection milestone it is necessary to upload the document (*documentType:rejectionProtocol*) upon which the contract status will be changed to *pending.unsuccessful*

- If dateMet precedes the *dueDate*, the *milestone* status should be changed to met, if not - to *partiallyMet*

• All the actions must be carried out by the Organiser

1.2 Conventions

API accepts JSON or form-encoded content in requests. It returns JSON content in all of its responses, including errors. Only the UTF-8 character encoding is supported for both requests and responses.

All API POST and PUT requests expect a top-level object with a single element in it named *data*. Successful responses will mirror this format. The data element should itself be an object, containing the parameters for the request. In the case of creating a new auction, these are the fields we want to set on the auction itself.

If the request was successful, we will get a response code of *201* indicating the object was created. That response will have a data field at its top level, which will contain complete information on the new auction, including its ID.

If something went wrong during the request, we'll get a different status code and the JSON returned will have an *errors* field at the top level containing a list of problems. We look at the first one and print out its message.

1.3 Main responsibilities

1.4 Project status

The project has beta status.

The source repository for this project is on GitHub: https://github.com/openprocurement/openprocurement. contracting.ceasefire

You can leave feedback by raising a new issue on the issue tracker (GitHub registration necessary).

1.5 Documentation of related packages

• OpenProcurement API

• Assets Registry

• Lots Registry

• Sellout.english

• Tessel

1.6 API stability

API is relatively stable. The changes in the API are communicated via Open Procurement API maillist.

1.7 Next steps

You might find it helpful to look at the *Tutorial*.

Data Standard

Data standard is modelled along the Open Contracting Standard with extensions in areas that were not covered by it.

2.1 Contract

2.1.1 Schema

id uuid, auto-generated, read-only

> Internal identifier for this contract.

awardID string, required, read-only

> OpenContracting Description: The *Award.id* against which this contract is being issued.

contractID string, auto-generated, read-only

> OpenContracting Description: ID of the same contract, bound to auction resource.

contractNumber string, optional

> Contract number within the paper documentation.

title string, multilingual, optional

> - Ukrainian by default - Ukrainian title
> - `title_en` (English) - English title
> - `title_ru` (Russian) - Russian title

> OpenContracting Description: Contract title.

description string, multilingual, optional

> - Ukrainian by default - Ukrainian decription
> - `decription_en` (English) - English decription

- `decription_ru` (Russian) - Russian decription

OpenContracting Description: Contract description.

status string, required

OpenContracting Description: The current status of the contract.

Status	Description
active.confirmation	draft contract
active.payment	payment period
active.approval	the period for downloading the final Order on the privatization of the facility
active	this contract has been signed by all the parties, and is now legally in force
active	period for fulfillment of other conditions
pending.terminated	a vaiting transition to the next status
pending.unsuccessful	a vaiting transition to the next status
terminated	this contract was signed and in force, and has now come to a close. This may be due to a successful completion of the contract or may be early termination due to some non-completion issue
unsuccessful	this contract is unsuccessful

items Array of *Item* objects, auto-generated, read-only

OpenContracting Description: The goods, services, and any intangible outcomes in this contract.

procuringEntity *Organization*, optional

OpenContracting Description: The entity managing the procurement, which may be different from the buyer who is paying / using the items being procured.

suppliers List of *Organization* objects, auto-generated, read-only

Buyer. Indicates the winner of the auction whom the given contract has been signed with.

value *Value* object, auto-generated, read-only

OpenContracting Description: The total value of this contract.

dateSigned string, *Date*, auto-generated, read-only

OpenContracting Description: The date the contract was signed. In the case of multiple signatures, the date of the last signature.

documents Array of Document objects, optional

OpenContracting Description: All documents and attachments related to the contract, including any notices.

changes Array of *Change* objects, optional

merchandisingObject string, auto-generated, read-only

> Id of related Lot

milestones Array of Milestones objects.

> There are 3 milestones, that will be associated with contract after acquiring him *active.payment* status:
>
> - *financing*
> - *approval*
> - *reporting*

owner string, auto-generated, read-only

> The entity whom the contract has been created by.

dateModified string, *Date*, auto-generated, read-only

> Time, when contract was changed last time.

contractType string, auto-generated, read-only

> Type of the contract.

2.2 Item

2.2.1 Schema

id string, auto-generated

description string, multilingual, required

> OpenContracting Description: A description of the goods, services to be provided.
>
> Auction subject / asset description.

classification *Classification*, required

> OpenContracting Description: The primary classification for the item. See the *itemClassificationScheme* to identify preferred classification lists, including CAV and GSIN.
>
> It is required for *classification.scheme* to be *CPV* or *CAV-PS*. The *classification.id* should be valid CPV or CAV-PS code.
>
> The CPV & CAV-PS codes accuracy should be equal to the class (XXXX0000-Y) at least.

additionalClassifications List of *Classification* objects, optional

> OpenContracting Description: An array of additional classifications for the item. See the *itemClassificationScheme* codelist for common options to use in OCDS. This may also be used to present codes from an internal classification scheme.
>
> E.g.'CPVS', *DK018*, *cadastralNumber* & *UA-EDR* can be chosen from the list. The codes are to be noted manually for *cadastralNumber* & *UA-EDR*.

unit *Unit*

> OpenContracting Description: Description of the unit which the good comes in e.g. hours, kilograms. Made up of a unit name, and the value of a single unit.

quantity integer, required

>   OpenContracting Description: The number of units required

deliveryAddress *Address*, required

>   Address, where the item should be delivered.

deliveryLocation dictionary, optional

>   Geographical coordinates of delivery location. Element consist of the following items:
>
>> **latitude** string, required
>>
>> **longitude** string, required
>>
>> **elevation** string, optional, usually not used
>
>   *deliveryLocation* usually takes precedence over *deliveryAddress* if both are present.

relatedLot string

>   Id of related Lot.

registrationDetails List of *Registration Details*

address *Address*

>   Address, where the item is located

2.3 Classification

2.3.1 Schema

scheme string

>   OpenContracting Description: A classification should be drawn from an existing scheme or list of codes. This field is used to indicate the scheme/codelist from which the classification is drawn. For line item classifications, this value should represent a known Item Classification Scheme wherever possible.

id string

>   OpenContracting Description: The classification code drawn from the selected scheme.

description string

>   OpenContracting Description: A textual description or title for the code.

uri uri

>   OpenContracting Description: A URI to identify the code. In the event individual URIs are not available for items in the identifier scheme this value should be left blank.

2.4 Unit

2.4.1 Schema

code string, required

>   UN/CEFACT Recommendation 20 unit code.

name string

> OpenContracting Description: Name of the unit

2.5 Registration Details

2.5.1 Schema

status string, required

> Possible values are:
>
> > *unknown* default value;
> >
> > *registering* item is still registering;
> >
> > *complete* item has already been registered.

registrationID string, optional

> The document identifier to refer to in the *paper* documentation.
>
> Available for mentioning in status: complete.

registrationDate *Date*, optional

> OpenContracting Description: The date on which the document was first published.
>
> Available for mentioning in status: complete.

2.6 Organization

2.6.1 Schema

name string, multilingual, optional

> Name of the organization.

identifier *Identifier*, required

> The primary identifier for this organization.

additionalIdentifiers List of *Identifier* objects, optional

address *Address*, required

contactPoint *ContactPoint*, required

additionalContactPoints Array of *ContactPoint* objects, required

2.7 Identifier

2.7.1 Schema

scheme string

OpenContracting Description: Organization identifiers be drawn from an existing identification scheme. This field is used to indicate the scheme or codelist in which the identifier will be found. This value should be drawn from the Organization Identifier Scheme.

id string, required

OpenContracting Description: The identifier of the organization in the selected scheme.

The allowed codes are the ones found in "Organisation Registration Agency" codelist of IATI Standard with addition of *UA-EDR* code for organizations registered in Ukraine (EDRPOU and IPN).

legalName string, multilingual

OpenContracting Description: The legally registered name of the organization.

Full legal name (e.g. Nadra Bank).

uri uri

OpenContracting Description: A URI to identify the organization, such as those provided by Open Corporates or some other relevant URI provider. This is not for listing the website of the organization: that can be done through the url field of the Organization contact point.

2.8 Address

2.8.1 Schema

streetAddress string, optional

OpenContracting Description: The street address. For example, 1600 Amphitheatre Pkwy.

locality string, optional

OpenContracting Description: The locality. For example, Mountain View.

region string, optional

OpenContracting Description: The region. For example, CA.

postalCode string, optional

OpenContracting Description: The postal code. For example, 94043.

countryName string, multilingual, required

OpenContracting Description: The country name. For example, United States.

2.9 ContactPoint

2.9.1 Schema

name string, multilingual, required

OpenContracting Description: The name of the contact person, department, or contact point, for correspondence relating to this contracting process.

email email

OpenContracting Description: The e-mail address of the contact point/person.

telephone string

> OpenContracting Description: The telephone number of the contact point/person. This should include the international dialling code.

faxNumber string

> OpenContracting Description: The fax number of the contact point/person. This should include the international dialling code.

url url

> OpenContracting Description: A web address for the contact point/person.

Either *email* or *telephone* field has to be provided.

2.10 Period

2.10.1 Schema

startDate string, *Date*

> OpenContracting Description: The start date for the period.

endDate string, *Date*, required

> OpenContracting Description: The end date for the period.

startDate should always precede *endDate*.

2.11 Date

Date/time in Date Format: ISO 8601.

2.12 Value

2.12.1 Schema

amount float, required

> OpenContracting Description: Amount as a number.
>
> Should be positive.

currency string, required

> OpenContracting Description: The currency in 3-letter ISO 4217 format.

valueAddedTaxIncluded bool, required

2.13 Change

2.13.1 Schema

id uid, auto-generated

> The identifier for this Change.

rationale string, multilingual, required

> Reason for contract change

rationaleTypes List of strings, required

> Type of the rationale behind contract change
>
> Changes to the contract can be made in cases described in the 4th part of Article 36 of the Law "On the Public Procurement".
>
> Possible string values are:
>
> - *volumeCuts* - Reduction of the procurement's volume
>
>   reduction of the procurement's volume, particularly taking into account the actual expenditures of the procuring entity;
>
> - *itemPriceVariation* - Change in the unit's price
>
>   change in the unit's price (no more than 10%) due to product's price fluctuations on the market, provided that the said change will not increase the sum of money specified in the contract;
>
> - *qualityImprovement* - Improvement of the procurement item's quality
>
>   improvement of the item's quality, provided that such improvement will not increase the sum of money specified in the contract;
>
> - *durationExtension* - Extension of the period of the contract duration (due to documented objective circumstances)
>
>   extension of the period of the contract duration and obligations fulfilment regarding the transfer of goods, implementation of works and provision of services in case of documented objective circumstances that led to such extension, including force majeure, delays in funding of procuring entity's expenditures, provided that such changes will not increase the sum of money specified in the contract;
>
> - *priceReduction* - Coordinated price reduction
>
>   coordinated downward price change (without changing the quantity (volume) and quality of goods, works, and services);
>
> - *taxRate* - Price changes due to changes in tax rates and fees
>
>   price changes due to changes in tax rates and fees in proportion to changes of those rates;
>
> - *thirdParty* - Change of the third-party indicators (rate, indices…)
>
>   changes of established under the law by the State Statistics Service consumer price index, changes in foreign currency, changes in stock prices or Platts indices, regulated prices (rates) and standards that are used in the procurement contract if the price change order is specified in the procurement contract;
>
> - *fiscalYearExtension* - Extension of the period of the contract duration to the next year
>
>   changes in contract terms according to the provisions of part 5 of Article 36.

> Article 36 Part 5. Effect of the procurement contract may be continued for a period sufficient for conduction of the procurement procedure at the beginning of the next year in volume that does not exceed 20% of the sum specified in the contract concluded in the previous year, if expenditures for this purpose are approved in the prescribed manner.

date string, *Date*, auto-generated

dateSigned string, *Date*

contractNumber string

status string, required
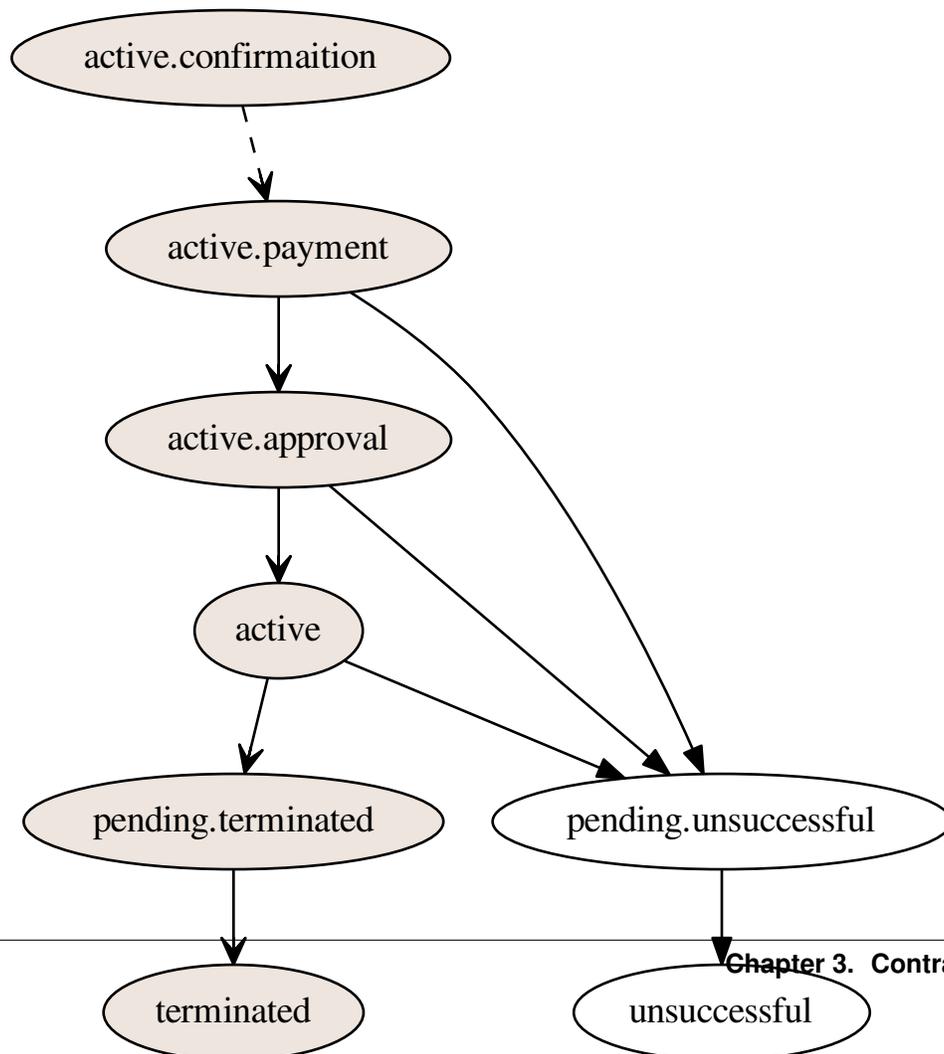
> The current status of the change.
>
> Possible values are:
>
> - *pending* - this change has been added.
> - *active* - this change has been confirmed.

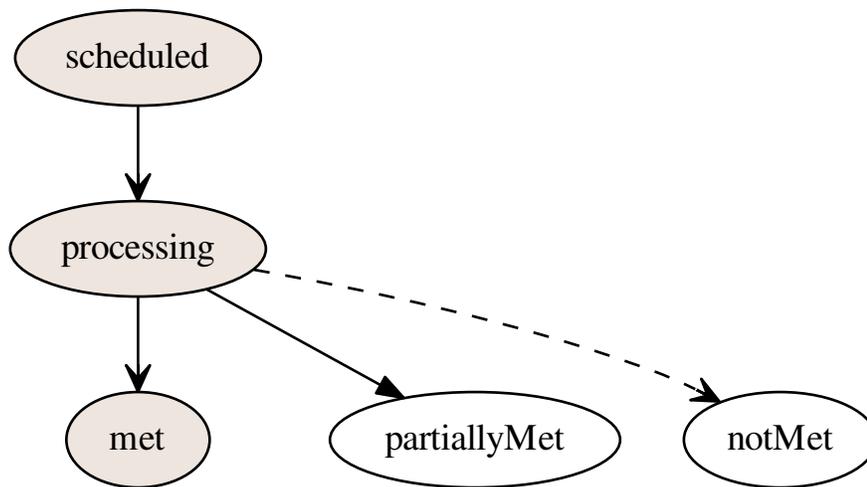**Note:** The function associated with *changes* is not used.

CHAPTER 3

Contract Workflow

3.1 Legend

- dashed line - user action

- solid line - action is done automatically

Milestone Workflow

4.1 Legend

- dashed line - user action
- solid line - action is done automatically

Tutorial

5.1 Exploring basic rules

Let's try exploring the */contracts* endpoint:

```
GET /api/2.5/contracts HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "next_page": {
    "path": "/api/2.5/contracts?offset=",
    "uri": "http://lb.api-sandbox.registry.ea.openprocurement.net/api/2.5/contracts?
→offset=",
    "offset": ""
  },
  "data": []
}
```

Just invoking it reveals an empty set.

Contract is transferred from the auction system by an automated process.

5.2 Creating contract

Let's say that we have conducted procedure and it has `complete` status. When the procedure is completed, contract (that has been created in the auction system) is transferred to the contract system **automatically**.

Brokers (eMalls) can't create contracts in the contract system.

The contract initially receives *active.confirmaition* status.

```
GET /api/2.5/contracts/08edeb5a34f3463aae55c1b9780be761 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "active.confirmation",
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
        "registrationDetails": {
          "status": "unknown"
        },
        "description": "   ",
        "classification": {
          "scheme": "CPV",
          "description": " ",
          "id": "66113000-5"
        },
        "additionalClassifications": [
          {
            "scheme": "CAV",
            "id": "39513200-3",
            "description": "    ,      "
          }
        ],
        "address": {
          "postalCode": "79000",
          "countryName": "",
          "streetAddress": ".  1",
          "region": ". ",
          "locality": ". "
        },
        "id": "6cb841dc37984ad7860d93d9bf8488e6",
        "unit": {
          "code": "44617100-9",
          "name": "item"
        },
        "quantity": 5
      }
    ],
    "period": {
      "startDate": "2018-07-12T14:02:50.678865+03:00",
      "endDate": "2018-08-11T14:02:50.678870+03:00"
    },
    "dateSigned": "2018-07-12T14:02:50.678838+03:00",
    "procuringEntity": {
      "contactPoint": {
        "name": "   ",
        "telephone": "0440000000"
      },
      "identifier": {
        "scheme": "UA-EDR",
```

(continues on next page)

```
        "id": "00037256",
        "uri": "http://www.dus.gov.ua/"
      },
      "name": "   ",
      "address": {
        "postalCode": "01220",
        "countryName": "",
        "streetAddress": ". , 11,  1",
        "region": ". ",
        "locality": ". "
      },
      "additionalContactPoints": [
        {
          "name": "   ",
          "telephone": "0440000000"
        }
      ]
    },
    "owner": "contracting",
    "contractType": "ceasefire",
    "awardID": "376d560b2b2d452a80543865f3cab43e",
    "id": "08edeb5a34f3463aae55c1b9780be761",
    "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
  }
}
```

5.3 Getting contract

Let's access the URL of the created object. The internal identification of the contract (id) is noted within the Lots Registry (*lot.contracts.relatedProcessID*):

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "active.confirmation",
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
        "registrationDetails": {
          "status": "unknown"
        },
        "description": "  ",
        "classification": {
          "scheme": "CPV",
          "description": " ",
          "id": "66113000-5"
        },
```

```
      "additionalClassifications": [
        {
          "scheme": "CAV",
          "id": "39513200-3",
          "description": "    ,      "
        }
      ],
      "address": {
        "postalCode": "79000",
        "countryName": "",
        "streetAddress": ".   1",
        "region": ". ",
        "locality": ". "
      },
      "id": "167e02bf440e43bb972fb7f9309ad82c",
      "unit": {
        "code": "44617100-9",
        "name": "item"
      },
      "quantity": 5
    }
  ],
  "period": {
    "startDate": "2018-07-13T16:34:36.559259+03:00",
    "endDate": "2018-08-12T16:34:36.559264+03:00"
  },
  "dateSigned": "2018-07-13T16:34:36.559240+03:00",
  "procuringEntity": {
    "contactPoint": {
      "name": "   ",
      "telephone": "0440000000"
    },
    "identifier": {
      "scheme": "UA-EDR",
      "id": "00037256",
      "uri": "http://www.dus.gov.ua/"
    },
    "name": "   ",
    "address": {
      "postalCode": "01220",
      "countryName": "",
      "streetAddress": ". , 11,  1",
      "region": ". ",
      "locality": ". "
    },
    "additionalContactPoints": [
      {
        "name": "   ",
        "telephone": "0440000000"
      }
    ]
  },
  "owner": "contracting",
  "contractType": "ceasefire",
  "awardID": "376d560b2b2d452a80543865f3cab43e",
  "id": "dda226649ee64264aded84f41f7f7a13",
  "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
```

```
    }
}
```

5.4 Getting access

In order to get rights for future contract editing, you need to use access transfer mechanism.

Let's create a transfer:

```
POST /api/2.5/transfers HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 12
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {}
}


Response: 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "access": {
    "transfer": "226e63d0f42a4791a9567d0452cb1e03",
    "token": "3b4905dbfbaf4ffaac2ff8f30dac2ae6"
  },
  "data": {
    "date": "2018-07-13T16:34:37.053910+03:00",
    "id": "4d4d01d4623e5f39a415d6603204794f"
  }
}
```

To acquire ownership on the contract, we must to use that transfer:

```
POST /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/ownership HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 100
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "transfer": "b04f2563ac9c4a88b6c221d635bba8e5",
    "id": "4d4d01d4623e5f39a415d6603204794f"
  }
}


Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "active.confirmation",
```

```json
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
        "registrationDetails": {
          "status": "unknown"
        },
        "description": "  ",
        "classification": {
          "scheme": "CPV",
          "description": " ",
          "id": "66113000-5"
        },
        "additionalClassifications": [
          {
            "scheme": "CAV",
            "id": "39513200-3",
            "description": "   ,     "
          }
        ],
        "address": {
          "postalCode": "79000",
          "countryName": "",
          "streetAddress": ".  1",
          "region": ". ",
          "locality": ". "
        },
        "id": "167e02bf440e43bb972fb7f9309ad82c",
        "unit": {
          "code": "44617100-9",
          "name": "item"
        },
        "quantity": 5
      }
    ],
    "period": {
      "startDate": "2018-07-13T16:34:36.559259+03:00",
      "endDate": "2018-08-12T16:34:36.559264+03:00"
    },
    "dateSigned": "2018-07-13T16:34:36.559240+03:00",
    "procuringEntity": {
      "contactPoint": {
        "name": "  ",
        "telephone": "0440000000"
      },
      "identifier": {
        "scheme": "UA-EDR",
        "id": "00037256",
        "uri": "http://www.dus.gov.ua/"
      },
      "name": "  ",
      "address": {
        "postalCode": "01220",
        "countryName": "",
        "streetAddress": ". , 11,  1",
        "region": ". ",
        "locality": ". "
```

```
      },
      "additionalContactPoints": [
        {
          "name": "   ",
          "telephone": "0440000000"
        }
      ]
    },
    "owner": "broker",
    "contractType": "ceasefire",
    "awardID": "376d560b2b2d452a80543865f3cab43e",
    "id": "dda226649ee64264aded84f41f7f7a13",
    "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
  }
}
```

For futher actions to be applied you need to activate the contract. Using *access_token* change status of the contract to *active.payment*:

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13?acc_
↪token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 38
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "status": "active.payment"
  }
}


Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "active.payment",
    "milestones": [
      {
        "status": "processing",
        "type": "financing",
        "id": "f4a8d4e93c68484d999dea2648f69fba",
        "dueDate": "2018-10-08T18:00:00+03:00"
      },
      {
        "status": "scheduled",
        "type": "approval",
        "id": "f4884f4dbd074d5dbb3a91567dbdd9c8"
      },
      {
        "status": "scheduled",
        "type": "reporting",
        "id": "754aae61b4184c95ad7ac9351e2a48a8"
      }
    ],
```

```
      "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
      "title": "Test Contract",
      "items": [
        {
          "registrationDetails": {
            "status": "unknown"
          },
          "description": "   ",
          "classification": {
            "scheme": "CPV",
            "description": " ",
            "id": "66113000-5"
          },
          "additionalClassifications": [
            {
              "scheme": "CAV",
              "id": "39513200-3",
              "description": "    ,      "
            }
          ],
          "address": {
            "postalCode": "79000",
            "countryName": "",
            "streetAddress": ".  1",
            "region": ". ",
            "locality": ". "
          },
          "id": "167e02bf440e43bb972fb7f9309ad82c",
          "unit": {
            "code": "44617100-9",
            "name": "item"
          },
          "quantity": 5
        }
      ],
      "period": {
        "startDate": "2018-07-13T16:34:36.559259+03:00",
        "endDate": "2018-08-12T16:34:36.559264+03:00"
      },
      "dateSigned": "2018-07-13T16:34:36.559240+03:00",
      "procuringEntity": {
        "contactPoint": {
          "name": "   ",
          "telephone": "0440000000"
        },
        "identifier": {
          "scheme": "UA-EDR",
          "id": "00037256",
          "uri": "http://www.dus.gov.ua/"
        },
        "name": "   ",
        "address": {
          "postalCode": "01220",
          "countryName": "",
          "streetAddress": ". , 11,  1",
          "region": ". ",
          "locality": ". "
```

```
    },
    "additionalContactPoints": [
      {
        "name": "  ",
        "telephone": "0440000000"
      }
    ]
  },
  "owner": "broker",
  "contractType": "ceasefire",
  "awardID": "376d560b2b2d452a80543865f3cab43e",
  "id": "dda226649ee64264aded84f41f7f7a13",
  "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
  }
}
```

Now let's view contracts.

```
GET /api/2.5/contracts HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "next_page": {
    "path": "/api/2.5/contracts?offset=2018-07-13T16%3A34%3A37.122544%2B03%3A00",
    "uri": "http://lb.api-sandbox.registry.ea.openprocurement.net/api/2.5/contracts?
→offset=2018-07-13T16%3A34%3A37.122544%2B03%3A00",
    "offset": "2018-07-13T16:34:37.122544+03:00"
  },
  "data": [
    {
      "id": "dda226649ee64264aded84f41f7f7a13",
      "dateModified": "2018-07-13T16:34:37.122544+03:00"
    }
  ]
}
```

5.5 Milestones

There are 3 milestones within:

- **financing** milestone;

- **approval** milestone;

- **reporting** milestone.

5.5.1 Working with the financing milestone

The milestone initially receives *processing* status with an auto-generated *dueDate* equal to (dateSigned + 60 days):

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪f4a8d4e93c68484d999dea2648f69fba HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net


Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "processing",
    "type": "financing",
    "id": "f4a8d4e93c68484d999dea2648f69fba",
    "dueDate": "2018-10-08T18:00:00+03:00"
  }
}
```

It is then when the winner has to introduce the payment (the sum suggested within the auction). As soon as the payment is received, the Organizer has to mention this date within the *dateMet* field. If *dateMet* lies within the suggested frames (up to *dueDate*), the milestone status will be automatically switched to *met*:

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪f4a8d4e93c68484d999dea2648f69fba?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 50
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "dateMet": "2018-10-06T18:00:00+03:00"
  }
}


Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "met",
    "dateModified": "2018-07-13T16:34:37.504172+03:00",
    "id": "f4a8d4e93c68484d999dea2648f69fba",
    "dateMet": "2018-10-06T18:00:00+03:00",
    "type": "financing",
    "dueDate": "2018-10-08T18:00:00+03:00"
  }
}
```

If *dateMet* is after *dueDate*, the milestone status will be switched to *partiallyMet*:

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪f4a8d4e93c68484d999dea2648f69fba?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 50
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
```

(continues on next page)

```
{
  "data": {
    "dateMet": "2018-10-10T18:00:00+03:00"
  }
}

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "partiallyMet",
    "dateModified": "2018-07-13T16:34:37.535284+03:00",
    "id": "f4a8d4e93c68484d999dea2648f69fba",
    "dateMet": "2018-10-10T18:00:00+03:00",
    "type": "financing",
    "dueDate": "2018-10-08T18:00:00+03:00"
  }
}
```

Both of the described actions result in contract being changed its status from *active.payment* to *active.approval*:

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "active.approval",
    "milestones": [
      {
        "status": "partiallyMet",
        "dateModified": "2018-07-13T16:34:37.535284+03:00",
        "id": "f4a8d4e93c68484d999dea2648f69fba",
        "dateMet": "2018-10-10T18:00:00+03:00",
        "type": "financing",
        "dueDate": "2018-10-08T18:00:00+03:00"
      },
      {
        "status": "processing",
        "type": "approval",
        "id": "f4884f4dbd074d5dbb3a91567dbdd9c8",
        "dueDate": "2018-11-07T18:00:00+03:00"
      },
      {
        "status": "scheduled",
        "type": "reporting",
        "id": "754aae61b4184c95ad7ac9351e2a48a8"
      }
    ],
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
```

```
      "registrationDetails": {
        "status": "unknown"
      },
      "description": "   ",
      "classification": {
        "scheme": "CPV",
        "description": " ",
        "id": "66113000-5"
      },
      "additionalClassifications": [
        {
          "scheme": "CAV",
          "id": "39513200-3",
          "description": "   ,     "
        }
      ],
      "address": {
        "postalCode": "79000",
        "countryName": "",
        "streetAddress": ".  1",
        "region": ". ",
        "locality": ". "
      },
      "id": "167e02bf440e43bb972fb7f9309ad82c",
      "unit": {
        "code": "44617100-9",
        "name": "item"
      },
      "quantity": 5
    }
  ],
  "period": {
    "startDate": "2018-07-13T16:34:36.559259+03:00",
    "endDate": "2018-08-12T16:34:36.559264+03:00"
  },
  "dateSigned": "2018-07-13T16:34:36.559240+03:00",
  "procuringEntity": {
    "contactPoint": {
      "name": "   ",
      "telephone": "0440000000"
    },
    "identifier": {
      "scheme": "UA-EDR",
      "id": "00037256",
      "uri": "http://www.dus.gov.ua/"
    },
    "name": "   ",
    "address": {
      "postalCode": "01220",
      "countryName": "",
      "streetAddress": ". , 11,  1",
      "region": ". ",
      "locality": ". "
    },
    "additionalContactPoints": [
      {
        "name": "   ",
```

```
              "telephone": "0440000000"
            }
          ]
        },
        "owner": "broker",
        "contractType": "ceasefire",
        "awardID": "376d560b2b2d452a80543865f3cab43e",
        "id": "dda226649ee64264aded84f41f7f7a13",
        "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
    }
}
```

The Organizer can also switch the milestone status to *notMet* if the payment has not been introduced at all. This one
will change the contract status to *pending.unsuccessful*. As long as the lot becomes *pending.dissolution*, the contract
receives *unsuccessful* status.

We don't show a request for this, because it's irreversable action, and after it we cannot fully demonstrate the work
with contracts.

5.5.2 Working with the approval milestone

The milestone initially receives *scheduled* status. As long as the contract receives *active.approval*, status of the ap-
proval milestone is changed to *processing*. The *dueDate* here is equal to (financing milestone's dateMet + 20 business
days)

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪f4884f4dbd074d5dbb3a91567dbdd9c8 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net


Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "processing",
    "type": "approval",
    "id": "f4884f4dbd074d5dbb3a91567dbdd9c8",
    "dueDate": "2018-11-07T18:00:00+03:00"
  }
}
```

The Organizer can also optionally set the *dueDate* of the **reporting** milestone. It can be done only when the reporting
milestone has status *scheduled*. If *dueDate* will not be set manually, it will be set automatically.

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪754aae61b4184c95ad7ac9351e2a48a8?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 50
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "dueDate": "2022-02-19T18:00:00+03:00"
```

```
  }
}

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "scheduled",
    "dateModified": "2018-07-13T16:34:37.592359+03:00",
    "type": "reporting",
    "dueDate": "2022-02-19T18:00:00+03:00",
    "id": "754aae61b4184c95ad7ac9351e2a48a8"
  }
}
```

It is then when the Organizer has to upload the Small-Scale Privatization Completion Report (documentType: approvalProtocol), note the date when the Report has been signed (*dateMet* field) and change status of the current milestone to *met* (if *dateMet* lies within the suggested frames) or *partiallyMet* (if not) by setting actual *dateMet*:

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
↪f4884f4dbd074d5dbb3a91567dbdd9c8?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 50
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "dateMet": "2018-11-05T18:00:00+03:00"
  }
}

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "met",
    "dateModified": "2018-07-13T16:34:37.620588+03:00",
    "id": "f4884f4dbd074d5dbb3a91567dbdd9c8",
    "dateMet": "2018-11-05T18:00:00+03:00",
    "type": "approval",
    "dueDate": "2018-11-07T18:00:00+03:00"
  }
}
```

The actions performed lead to the contract being changed its status from *active.approval* to *active*:

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
```

```
{
  "data": {
    "status": "active",
    "milestones": [
      {
        "status": "partiallyMet",
        "dateModified": "2018-07-13T16:34:37.535284+03:00",
        "id": "f4a8d4e93c68484d999dea2648f69fba",
        "dateMet": "2018-10-10T18:00:00+03:00",
        "type": "financing",
        "dueDate": "2018-10-08T18:00:00+03:00"
      },
      {
        "status": "met",
        "dateModified": "2018-07-13T16:34:37.620588+03:00",
        "id": "f4884f4dbd074d5dbb3a91567dbdd9c8",
        "dateMet": "2018-11-05T18:00:00+03:00",
        "type": "approval",
        "dueDate": "2018-11-07T18:00:00+03:00"
      },
      {
        "status": "processing",
        "dateModified": "2018-07-13T16:34:37.592359+03:00",
        "type": "reporting",
        "dueDate": "2022-02-19T18:00:00+03:00",
        "id": "754aae61b4184c95ad7ac9351e2a48a8"
      }
    ],
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
        "registrationDetails": {
          "status": "unknown"
        },
        "description": "   ",
        "classification": {
          "scheme": "CPV",
          "description": " ",
          "id": "66113000-5"
        },
        "additionalClassifications": [
          {
            "scheme": "CAV",
            "id": "39513200-3",
            "description": "   ,     "
          }
        ],
        "address": {
          "postalCode": "79000",
          "countryName": "",
          "streetAddress": ".  1",
          "region": ". ",
          "locality": ". "
        },
        "id": "167e02bf440e43bb972fb7f9309ad82c",
        "unit": {
```

```
          "code": "44617100-9",
          "name": "item"
        },
        "quantity": 5
      }
    ],
    "period": {
      "startDate": "2018-07-13T16:34:36.559259+03:00",
      "endDate": "2018-08-12T16:34:36.559264+03:00"
    },
    "dateSigned": "2018-07-13T16:34:36.559240+03:00",
    "procuringEntity": {
      "contactPoint": {
        "name": "    ",
        "telephone": "0440000000"
      },
      "identifier": {
        "scheme": "UA-EDR",
        "id": "00037256",
        "uri": "http://www.dus.gov.ua/"
      },
      "name": "    ",
      "address": {
        "postalCode": "01220",
        "countryName": "",
        "streetAddress": ". , 11,  1",
        "region": ". ",
        "locality": ". "
      },
      "additionalContactPoints": [
        {
          "name": "    ",
          "telephone": "0440000000"
        }
      ]
    },
    "owner": "broker",
    "contractType": "ceasefire",
    "awardID": "376d560b2b2d452a80543865f3cab43e",
    "id": "dda226649ee64264aded84f41f7f7a13",
    "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
  }
}
```

In case of the Completion Report has not been introduced, the Organizer has to manually switch milestone status to *not-Met*. This one will change the contract status to *pending.unsuccessful*. As long as the lot becomes *pending.dissolution*, the contract receives *unsuccessful* status.

5.5.3 Working with the reporting milestone

The milestone initially receives *scheduled* status. As long as the contract receives *active*, status of the reporting milestone is changed to *processing*. The *dueDate* here is equal to either (reporting milestone's dateMet + 3 years) or the date mentioned before.

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
→754aae61b4184c95ad7ac9351e2a48a8 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "processing",
    "dateModified": "2018-07-13T16:34:37.592359+03:00",
    "type": "reporting",
    "dueDate": "2022-02-19T18:00:00+03:00",
    "id": "754aae61b4184c95ad7ac9351e2a48a8"
  }
}
```

As long as all of the contract conditions have been met, the Organizer has to mention the appropriate *dateMet* and change status of the current milestone to *met* (if *dateMet* lies within the suggested frames) or *partiallyMet* (if not):

```
PATCH /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/milestones/
→754aae61b4184c95ad7ac9351e2a48a8?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 50
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "dateMet": "2022-02-17T18:00:00+03:00"
  }
}

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "status": "met",
    "dateModified": "2018-07-13T16:34:37.683352+03:00",
    "id": "754aae61b4184c95ad7ac9351e2a48a8",
    "dateMet": "2022-02-17T18:00:00+03:00",
    "type": "reporting",
    "dueDate": "2022-02-19T18:00:00+03:00"
  }
}
```

The actions performed lead to the contract being changed its status from *active* to *pending.terminated*:

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
```

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```
{
  "data": {
    "status": "pending.terminated",
    "milestones": [
      {
        "status": "partiallyMet",
        "dateModified": "2018-07-13T16:34:37.535284+03:00",
        "id": "f4a8d4e93c68484d999dea2648f69fba",
        "dateMet": "2018-10-10T18:00:00+03:00",
        "type": "financing",
        "dueDate": "2018-10-08T18:00:00+03:00"
      },
      {
        "status": "met",
        "dateModified": "2018-07-13T16:34:37.620588+03:00",
        "id": "f4884f4dbd074d5dbb3a91567dbdd9c8",
        "dateMet": "2018-11-05T18:00:00+03:00",
        "type": "approval",
        "dueDate": "2018-11-07T18:00:00+03:00"
      },
      {
        "status": "met",
        "dateModified": "2018-07-13T16:34:37.683352+03:00",
        "id": "754aae61b4184c95ad7ac9351e2a48a8",
        "dateMet": "2022-02-17T18:00:00+03:00",
        "type": "reporting",
        "dueDate": "2022-02-19T18:00:00+03:00"
      }
    ],
    "merchandisingObject": "a930574bf8cd999cb7f9c9ed4ca68061",
    "title": "Test Contract",
    "items": [
      {
        "registrationDetails": {
          "status": "unknown"
        },
        "description": "   ",
        "classification": {
          "scheme": "CPV",
          "description": " ",
          "id": "66113000-5"
        },
        "additionalClassifications": [
          {
            "scheme": "CAV",
            "id": "39513200-3",
            "description": "   ,    "
          }
        ],
        "address": {
          "postalCode": "79000",
          "countryName": "",
          "streetAddress": ".  1",
          "region": ". ",
          "locality": ". "
        },
        "id": "167e02bf440e43bb972fb7f9309ad82c",
```

```
      "unit": {
        "code": "44617100-9",
        "name": "item"
      },
      "quantity": 5
    }
  ],
  "period": {
    "startDate": "2018-07-13T16:34:36.559259+03:00",
    "endDate": "2018-08-12T16:34:36.559264+03:00"
  },
  "dateSigned": "2018-07-13T16:34:36.559240+03:00",
  "procuringEntity": {
    "contactPoint": {
      "name": "    ",
      "telephone": "0440000000"
    },
    "identifier": {
      "scheme": "UA-EDR",
      "id": "00037256",
      "uri": "http://www.dus.gov.ua/"
    },
    "name": "    ",
    "address": {
      "postalCode": "01220",
      "countryName": "",
      "streetAddress": ". , 11,  1",
      "region": ". ",
      "locality": ". "
    },
    "additionalContactPoints": [
      {
        "name": "    ",
        "telephone": "0440000000"
      }
    ]
  },
  "owner": "broker",
  "contractType": "ceasefire",
  "awardID": "376d560b2b2d452a80543865f3cab43e",
  "id": "dda226649ee64264aded84f41f7f7a13",
  "contractID": "a930574bf8cd405cb7f9c9ed4ca68061"
  }
}
```

As long as the lot becomes *pending.sold*, the contract receives *terminated* status so that any future modification to the contract are not allowed.

In case of the conditions have not been met, the Organizer has to manually switch milestone status to *notMet*. This one will change the contract status to *pending.unsuccessful*. As long as the lot becomes *pending.dissolution*, the contract receives *unsuccessful* status.

5.5.4 Uploading milestone document

Document has to be added in two stages:

- you should upload document

- you should set document properties `"documentOf": "milesone"` and `"relatedItem": "{milestone.id}"` in order to bind the uploaded document to the *milestone*:

```
POST /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/documents?acc_
→token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
Authorization: Basic YnJva2VyOg==
Content-Length: 389
Content-Type: application/json
Host: lb.api-sandbox.registry.ea.openprocurement.net
DATA:
{
  "data": {
    "hash": "md5:00000000000000000000000000000000",
    "format": "application/msword",
    "url": "http://localhost/get/50f99bbf153e425cb6b5083b858a0d0f?KeyID=172d32c8&
→Signature=qhgD
→%2FYqFEh6Al6YkHzHuZEtWyconzWwU2MlKcvVrNHoeajAuRh4gafOCu9Zc1TVtFsfIc7gSU
→%2BhU1o2eZvl9CA%3D%3D",
    "title": ".doc",
    "documentOf": "milestone",
    "relatedItem": "f4a8d4e93c68484d999dea2648f69fba"
  }
}

Response: 201 Created
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "hash": "md5:00000000000000000000000000000000",
    "title": ".doc",
    "url": "http://localhost/get/50f99bbf153e425cb6b5083b858a0d0f?KeyID=172d32c8&
→Signature=qhgD
→%2FYqFEh6Al6YkHzHuZEtWyconzWwU2MlKcvVrNHoeajAuRh4gafOCu9Zc1TVtFsfIc7gSU
→%2BhU1o2eZvl9CA%3D%3D",
    "format": "application/msword",
    "documentOf": "milestone",
    "datePublished": "2018-07-13T16:34:37.727546+03:00",
    "id": "270392a2094047c3a84023b4271a7e94",
    "relatedItem": "f4a8d4e93c68484d999dea2648f69fba",
    "dateModified": "2018-07-13T16:34:37.727563+03:00"
  }
}
```

5.6 Uploading documentation

Procuring entity can upload PDF files into the created contract. Uploading should follow the Documents Uploading rules.

201 Created response code and *Location* header confirm document creation. We can additionally query the *documents* collection API endpoint to confirm the action:

```
GET /api/2.5/contracts/dda226649ee64264aded84f41f7f7a13/documents/
→270392a2094047c3a84023b4271a7e94?acc_token=3b4905dbfbaf4ffaac2ff8f30dac2ae6 HTTP/1.0
```

```
Authorization: Basic YnJva2VyOg==
Host: lb.api-sandbox.registry.ea.openprocurement.net

Response: 200 OK
Content-Type: application/json
X-Content-Type-Options: nosniff
{
  "data": {
    "hash": "md5:00000000000000000000000000000000",
    "title": ".doc",
    "url": "http://localhost/get/50f99bbf153e425cb6b5083b858a0d0f?KeyID=172d32c8&
↪Signature=qhgD
↪%2FYqFEh6Al6YkHzHuZEtWyconzWwU2MlKcvVrNHoeajAuRh4gafOCu9Zc1TVtFsfIc7gSU
↪%2BhU1o2eZvl9CA%3D%3D",
    "format": "application/msword",
    "documentOf": "milestone",
    "datePublished": "2018-07-13T16:34:37.727546+03:00",
    "id": "270392a2094047c3a84023b4271a7e94",
    "relatedItem": "f4a8d4e93c68484d999dea2648f69fba",
    "dateModified": "2018-07-13T16:34:37.727563+03:00"
  }
}
```

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