Description of PRIA mock for Pääsuke

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1. Preface

Version 0.2.

This description is written against Pääsuke x-road API spec 0.9.1.

This is a description of how the mocks service mimics the future behavior of the X-road services that will be implemented in PRIA.

1.1 Sending queries to the mock

In this document, we play different scenarios with PRIA mock.

It is possible to download the mock (https://github.com/e-gov/PH) and run it locally.

NB! Normally the value of header X-Road-Id should be a randomly generated identifier but regarding the mock service, sending a value "PRIA" each time is a way to make sure it acts as PRIA.

2. Persons who have any mandates to represent the legal entity (Ettevõtte esindajad ja volitatud isikud)

2.1. Imaginary situation

- · The company Agro Agro AS is registered as a PRIA customer
- Tõnu Tuuline (EE30303039816) is a board member of the company Agro Agro AS
- Mari Maasikas has a role "PRIA: Unrestricted.can.modify.mandates"
 - o that is valid until 2023-01-13...2028-12-31
 - o In chapter 3 of this document, we go through the scenario of how the board member added this mandate to Mari Maasikas.
- Mari Maasikas has used this role to add a mandate with the role "PRIA:Unrestricted.cancot.modify.mandates" to Kaupo Kuusik
 - o this is valid only during the year 2027 (2027-01-01 ... 2027-12-31)
- Mari Maasikas also has the role "PRIA:fiscally_marked_gas_buyer" that is valid indefinitely
 Ülle Pääsuke has a subset of mandates
 - these are grouped for Pääsuke as a single mandate PRIA:partial
- Jüri Vaarikas also has "PRIA:fiscally_marked_gas_buyer" role until end of year 2029

2.2. Query

Tõnu logs into Pääsuke and the first tab ("Ettevõtte esindajad ja volitatud isikud") starts loading

Pääsuke starts to gather information to display the view that displays representees of the company and other people who have active mandates.

Pääsuke makes the following query over X-Road to PRIA mock service:

```
curl \
-X GET \
-H "accept: application/json" \
-H "X-Road-User-Id: EE30303039816" \
-H "X-Road-Represented-Party: EE11430169" \
-H "X-Road-Id: PRIA" \
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused/v1/representees/EE11430169/delegates/mandates"
```

NB! Normally the value of header X-Road-Id should be a randomly generated identifier but regarding the mock service, this is a way to make sure it acts as PRIA.

2.3. Response

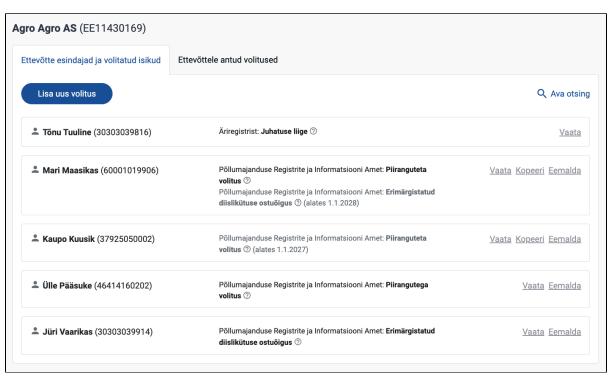
The following response is returned by PRIA mock service:

```
[
   "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   "delegate": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   },
   "mandates": [
       "role": "PRIA:PRIA.customer",
       "validityPeriod": {
         "from": "2001-01-30"
   ]
 },
   "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   },
   "delegate": {
     "type": "NATURAL_PERSON",
     "firstName": "Mari",
     "surname": "Maasikas",
     "identifier": "EE60001019906"
   },
   "mandates": [
       "role": "PRIA:Unrestricted.can.modify.mandates",
       "validityPeriod": {
         "from": "2027-01-01",
         "through": "2028-12-31"
       },
       "links": {
         can.modify.mandates",
         "origin": "https://epria.pria.ee?x=y&z=q"
      }
     },
```

```
"role": "PRIA:fiscally_marked_gas_buyer",
       "validityPeriod": {
        "from": "2023-01-01"
       },
       "links": {
         "delete": "/v1/representees/imp1-EE11430169/delegates/imp2-EE60001019906/mandates/imp3-
fiscally_marked_gas_buyer",
         "origin": "https://epria.pria.ee?x=y&z=q"
     }
   ]
 },
   "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   "delegate": {
     "type": "NATURAL_PERSON",
     "firstName": "Kaupo",
     "surname": "Kuusik",
     "identifier": "EE37925050002"
   },
   "mandates": [
       "role": "PRIA: Unrestricted.cancot.modify.mandates",
       "validityPeriod": {
        "from": "2027-01-01",
         "through": "2027-12-31"
       },
       "links": {
         "delete": "/v1/representees/imp1-EE11430169/delegates/imp2-EE37925050002/mandates/imp3-Unrestricted.
cancot.modify.mandates",
        "origin": "https://epria.pria.ee?x=y&z=q"
       }
     }
   ]
 },
   "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   "delegate": {
     "type": "NATURAL_PERSON",
     "firstName": "Ülle",
     "surname": "Pääsuke",
     "identifier": "EE46414160202"
   },
   "mandates": [
       "role": "PRIA:partial",
       "validityPeriod": {
         "from": "2023-01-01",
        "through": "2028-12-31"
       },
       "links": {
         "origin": "https://epria.pria.ee?x=y&z=q"
     }
   ]
 },
   "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
   },
```

```
"delegate": {
      "type": "NATURAL_PERSON",
      "firstName": "Jüri",
     "surname": "Vaarikas",
      "identifier": "EE30303039914"
    },
    "mandates": [
        "role": "PRIA:fiscally_marked_gas_buyer",
        "validityPeriod": {
         "from": "2022-01-01",
         "through": "2029-12-31"
        "links": {
          "delete": "/v1/representees/imp1-EE11430169/delegates/imp2-EE30303039914/mandates/imp3-
fiscally_marked_gas_buyer",
          "origin": "https://epria.pria.ee?x=y&z=q"
     }
    ]
]
```

2.4. How Pääsuke is going to display this response



3. Natural person viewing mandates that are given to him/her (Mulle antud volitused)

3.1. Imaginary situation

- Agro Agro AS has given two roles to Mari Maasikas
 - o piiranguteta volitus (with the right to create new mandates)
 - o erimärgistatud diisli ostuõigus

3.2. Query

Pääsuke starts to gather information to display the view that displays mandates given to a natural person.

Pääsuke makes the following query over X-Road to PRIA mock service:

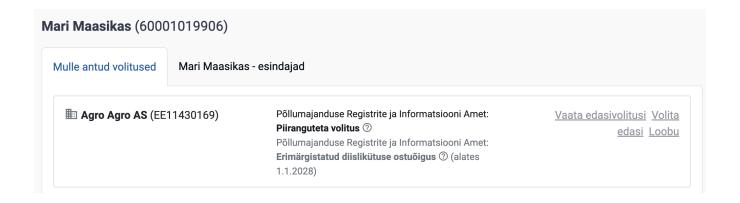
```
curl \
-X GET \
-H "accept: application/json" \
-H "X-Road-User-Id: EE60001019906" \
-H "X-Road-Id: PRIA" \
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused/v1/delegates/EE60001019906/representees/mandates"
```

3.3. Response

The following response is returned by PRIA mocks service:

```
[
    "representee": {
     "type": "LEGAL_PERSON",
     "legalName": "Agro Agro AS",
     "identifier": "EE11430169"
    "delegate": {
     "type": "NATURAL_PERSON",
     "firstName": "Mari",
     "surname": "Maasikas",
      "identifier": "EE60001019906"
    },
    "mandates": [
        "role": "PRIA:Unrestricted.can.modify.mandates",
        "validityPeriod": {
         "from": "2027-01-01",
          "through": "2028-12-31"
        "links": {
         "delete": "/v1/representees/imp1-EE11430169/delegates/imp2-EE60001019906/mandates/imp3-Unrestricted.
can.modify.mandates",
          "origin": "https://epria.pria.ee?x=y&z=q"
        }
     },
        "role": "PRIA:fiscally_marked_gas_buyer",
        "validityPeriod": {
         "from": "2023-01-01"
        "links": {
         "delete": "/v1/representees/imp1-EE11430169/delegates/imp2-EE60001019906/mandates/imp3-
fiscally_marked_gas_buyer",
          "origin": "https://epria.pria.ee?x=y&z=q"
        }
   1
]
```

3.4. How Pääsuke is going to display this response



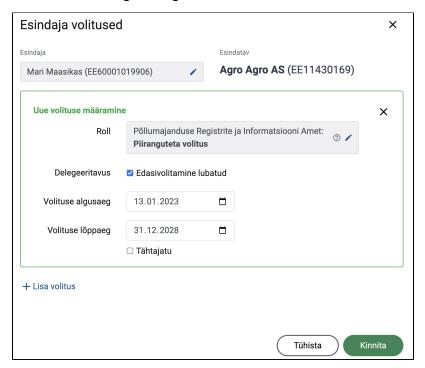
[&]quot;Vaata edasivolitusi" is not displayed as PRIA roles are all configured not to be sub-delegated.

4. Adding a new mandate

4.1. Imaginary situation

- Mari Maasikas has no roles yet to represent the company
 Management board member Tõnu Tuuline (EE30303039816) grants the first role to Mari Maasikas

Pääsuke UI for granting a mandate



4.2. Request

4.2.1. Request headers

```
-X POST
-H "accept: application/json"
-H "X-Road-User-Id: EÉ30303039816"
-H "X-Road-Represented-Party: EE11430169"
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused/v1/representees/EE11430169/delegates/EE60001019906/mandates"
```

4.2.2. Request Payload

```
"representee": {
    "identifier": "EE11430169",
   "legalName": "Agro Agro AS",
    "type": "LEGAL_PERSON"
  "delegate": {
   "firstName": "Mari",
    "identifier": "EE30303039816",
   "surname": "Maasikas",
    "type": "NATURAL_PERSON"
 },
  "mandate": {
   "canSubDelegate": false,
    "role": "PRIA:Unrestricted.can.modify.mandates",
    "validityPeriod": {
     "from": "2023-01-13",
      "through": "2028-12-31"
  "authorizations": [
      "hasRole": "BR_REPRIGHT:SOLEREP",
      "userIdentifier": "EE30303039816"
 ],
  "document": {
    "uuid": "5b72e01c-fa7f-479c-b014-cc19efe5b732",
    "singleDelegate": true
}
```

- authorizations block indicates who was the person (or persons) that confirmed
- · presence of the document block indicates that the document was digitally signed

5. Deleting a mandate

5.1. Imaginary situation

Tõnu Tuuline clicks to delete a mandate given to Kaupo Kuusik.

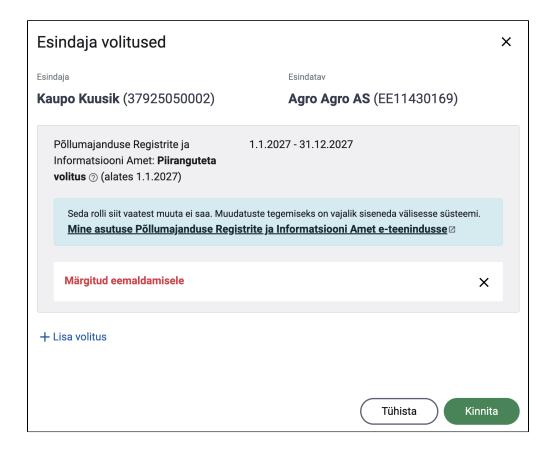
5.2. Link in the returned mandates

In chapter 2.3 the following link was returned with the mandate of Jüri Vaarikas:

"links": { "delete": "/v1/representees/imp7-EE11430169/delegates/imp8-EE37925050002/mandates/imp3-fiscally_marked_gas_buyer"

Since the link was returned for this mandate it refers that the mandate can be deleted.

5.3. How deleting is displayed in Pääsuke



5.4. What request is made by Pääsuke after deleting the mandate is confirmed by the user

5.4.1 Request headers

In case more than one mandate was deleted by the user, Pääsuke would make individual PUT requests for each mandate being deleted.

The parameters (imp7-EE11430169, imp8-EE37925050002, imp3-fiscally_marked_gas_buyer) used in the URL are taken from the link above.

```
curl
  -X DELETE

-H "accept: application/json"
  -H "X-Road-User-Id: EE30303039816"
  -H "X-Road-Represented-Party: EE11430169"
  "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused

/v1/representees/imp7-EE11430169/delegates/imp8-EE37925050002/mandates/imp3-fiscally_marked_gas_buyer"
```

5.4.2 Request body

6. Pääsuke periodically pulls the translations for the roles

Until this far we have seen role codes (like "PRIA:Unrestricted.can.modify.mandates").

Pääsuke needs to load translations to these roles.

For that Pääsuke periodically fetches roles.

6.1. First query to load role translations

The following query is made by a background system.

The first query doesn't include "If-Modified-Since" header.

```
curl \
  -X GET \
  -H "accept: application/json" \
  -H "X-Road-Id: PRIA" \
  "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused/v1/roles"
```

Pääsuke keeps a list of namespaces and includes them as query parameters.

6.2. Response with translations

```
[
    "code": "PRIA:PRIA.customer",
     "et": "<seda rolli ei kuvata kuna on määratud hidden=true. Sellega märgitakse ära, et tegemist on PRIA
kliendiga ja Pääsukese kaudu saab isiku alla rolle lisada>"
    "delegateType": [
     "NATURAL_PERSON"
   "hidden": true,
   "modified": "2022-10-18T11:00:00Z",
    "representeeType": [
     "LEGAL_PERSON",
      "NATURAL_PERSON"
   1
 },
   "code": "PRIA:Unrestricted.can.modify.mandates",
    "title": {
     "et": "Piiranguteta volitus (sh volituste haldamine)",
     "en": "Piiranguteta volitus (sh volituste haldamine) (eng)",
     "ru": "Piiranguteta volitus (sh volituste haldamine) (rus)"
    "addableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
      "BR_REPRIGHT:SOLEREP"
    "addableOnlyIfRepresenteeHasRoleIn": [
      "PRIA: PRIA. customer"
    "addingMustBeSigned": true,
    "canSubDelegate": false,
    "delegateType": [
     "NATURAL_PERSON"
    "description": {
     "et": "Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel, elektrooniliste- ja
paberdokumentide esitamisel ning vahetus suhtluses.",
      "en": "ENG: Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel,
elektrooniliste- ja paberdokumentide esitamisel ning vahetus suhtluses.",
```

```
"ru": "RUS: Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel,
elektrooniliste- ja paberdokumentide esitamisel ning vahetus suhtluses."
   },
    "modified": "2022-10-18T11:00:00Z",
   "representeeType": [
     "LEGAL PERSON",
     "NATURAL_PERSON'
    "waivableBy": [
     "PRIA: Unrestricted.can.modify.mandates".
     "BR_REPRIGHT: SOLEREP",
     "NAT_REPRIGHT:SOLEREP"
   1.
    "waivingMustBeSigned": true,
    "withdrawableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
     "BR_REPRIGHT:SOLEREP"
   "withdrawalMustBeSigned": true,
    "assignableBy": [
     "PRIA:Unrestricted.can.modify.mandates",
      "BR REPRIGHT: SOLEREP"
    "assignableOnlyIfRepresenteeHasRoleIn": [
     "PRIA:PRIA.customer"
   1.
    "deletableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
     "BR_REPRIGHT:SOLEREP"
    "deletableByDelegate": true,
    "visible": true
    "code": "PRIA:Unrestricted.cancot.modify.mandates",
     "et": "Piiranguteta volitus (v.a volituste haldamine)",
     "en": "Piiranguteta volitus (v.a volituste haldamine) (eng)",
     "ru": "Piiranguteta volitus (v.a volituste haldamine) (rus)"
    "addableBy": [
     "PRIA:Unrestricted.can.modify.mandates",
      "BR_REPRIGHT:SOLEREP"
    "addableOnlyIfRepresenteeHasRoleIn": [
     "PRIA: PRIA. customer"
    "addingMustBeSigned": true,
    "canSubDelegate": false.
    "delegateType": [
     "NATURAL_PERSON"
   1.
    "description": {
     "et": "Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel, elektrooniliste- ja
paberdokumentide esitamisel ning vahetus suhtluses.",
     "en": "ENG: Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel,
elektrooniliste- ja paberdokumentide esitamisel ning vahetus suhtluses.",
     "ru": "RUS: Volikirjaga antud volitused kehtivad PRIA iseteeninduskeskkondade kasutamisel,
elektrooniliste- ja paberdokumentide esitamisel ning vahetus suhtluses."
    "modified": "2022-10-18T11:00:00Z",
    "representeeType": [
     "LEGAL_PERSON",
     "NATURAL_PERSON"
   ],
    "waivableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
      "BR REPRIGHT: SOLEREP",
     "NAT_REPRIGHT:SOLEREP"
    "waivingMustBeSigned": true,
```

```
"withdrawableBy": [
    "PRIA: Unrestricted.can.modify.mandates",
    "BR REPRIGHT: SOLEREP".
    "NAT_REPRIGHT:SOLEREP"
  "withdrawalMustBeSigned": true,
  "assignableBy": [
    "PRIA:Unrestricted.can.modify.mandates",
    "BR_REPRIGHT:SOLEREP"
  "assignableOnlyIfRepresenteeHasRoleIn": [
   "PRIA:PRIA.customer"
  1.
  "deletableBy": [
    "PRIA: Unrestricted.can.modify.mandates",
    "BR_REPRIGHT: SOLEREP",
    "NAT_REPRIGHT:SOLEREP"
  "deletableByDelegate": true,
  "visible": true
  "code": "PRIA:partial",
  "title": {
   "et": "Piirangutega volitus",
    "en": "Partial authorisation",
    "ru": "Piirangutega volitus (rus)"
  "canSubDelegate": false,
  "delegateType": [
    "NATURAL_PERSON"
  1.
  "description": {
    "et": "Osalised ehk piirangutega volitused. Detailide nägemiseks on vja pöörduda e-PRIA-sse.",
    "en": "EN: Osalised ehk piirangutega volitused. Detailide nägemiseks on vja pöörduda e-PRIA-sse",
    "ru": "RU: Osalised ehk piirangutega volitused. Detailide nägemiseks on vja pöörduda e-PRIA-sse"
  },
  "modified": "2022-10-18T11:00:00Z",
  "representeeType": [
    "LEGAL_PERSON",
    "NATURAL_PERSON"
  "waivableBy": [
    "PRIA: Unrestricted.can.modify.mandates",
    "BR_REPRIGHT: SOLEREP",
    "NAT_REPRIGHT:SOLEREP"
  "waivingMustBeSigned": true,
  "withdrawableBv": [
    "PRIA: Unrestricted.can.modify.mandates",
    "BR_REPRIGHT:SOLEREP",
    "NAT_REPRIGHT:SOLEREP"
  ],
  "withdrawalMustBeSigned": true,
  "deletableBy": [
    "PRIA: Unrestricted.can.modify.mandates",
    "BR_REPRIGHT:SOLEREP"
  1.
  "deletableByDelegate": true,
  "visible": true
},
  "code": "PRIA:fiscally_marked_gas_buyer",
  "title": {
   "et": "Erimärgistatud diislikütuse ostuõigus",
    "en": "Erimärgistatud diislikütuse ostuõigus (en)",
    "ru": "Erimärgistatud diislikütuse ostuõigus (ru)"
  "canSubDelegate": false,
  "delegateType": [
    "NATURAL_PERSON"
```

```
],
    "description": {
     "et": "Seda õigust saab e-PRIA-st anda erimärgistatud diislikütuse ostuõigust omav juriidiline isik või
FIE oma töötajale või kaluri kalapüügi loale antud isikule.",
     "en": "ENG: Seda õigust saab e-PRIA-st anda erimärgistatud diislikütuse ostuõigust omav juriidiline isik
või FIE oma töötajale või kaluri kalapüügi loale antud isikule.",
     "ru": "RU: Seda õigust saab e-PRIA-st anda erimärgistatud diislikütuse ostuõigust omav juriidiline isik
või FIE oma töötajale või kaluri kalapüügi loale antud isikule."
    "modified": "2023-01-18T11:00:00Z",
    "representeeType": [
     "LEGAL_PERSON",
     "NATURAL_PERSON'
    "waivableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
     "BR_REPRIGHT:SOLEREP",
     "NAT_REPRIGHT:SOLEREP"
    ],
    "waivingMustBeSigned": true,
    "withdrawableBy": [
     "PRIA: Unrestricted.can.modify.mandates",
      "BR REPRIGHT: SOLEREP"
    "withdrawalMustBeSigned": true,
    "deletableBy": [
      "PRIA: Unrestricted.can.modify.mandates",
      "BR_REPRIGHT:SOLEREP"
    "deletableByDelegate": true,
    "visible": true
]
```

Max modified date is: 2023-01-18T11:00:00Z

this output includes some deprecated fields like:

- visible
- deletableByDelegate
- deletableBy
- assignableOnlyIfRepresenteeHasRoleIn
- assignableBy

6.3 Query to load role translations (with if-modified-since header)

```
curl
  -X GET

-H "accept: application/json"
  -H "If-Modified-Since: 2023-01-18T11:00:00Z"
  "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused/v1/roles"
```

6.4. Response indicating there are no changes

HTTP status code 304

7. Editing a mandate

It is not possible to edit a mandate that is stored outside of Pääsuke. The user has to delete a mandate and add a new one.