

NOC Services

Description

For every building plan application, there is a need to get the No objection certificate from concerned departments. Based on the configuration we have for the NOCs, for every application, there will be a set of NOCs required. There should be a provision to allow the NOC department user to login to our system and upload the required NOC. We are providing a user to one NOC department. Based on the workflow mode (online/offline) of each NOC type, the NOC department user can perform action.

Online mode – NOC department user can login to system and approve/reject the application.

Offline mode – NOC application will be auto approved.

System Requirements

- Knowledge of Java/J2EE(preferably Java 8 version)
- Knowledge of Spring Boot and spring-boot microservices
- Knowledge of Git or any version control system
- Knowledge of RESTful Web services
- Knowledge of the Lombok library will helpful
- knowledge of eGov-mdms service, eGov-persister, eGov-idgen, eGov-user, eGov-localization will be helpful

external API references

- egov-user (Manage user)
- egov-idgen (To generate the application No)
- egov-localization (To use the localized messages)
- egov-location (To store the address locality)
- egov-mdms (Configurations/master data used in the application is served by MDMS)

- egov-notification-sms (Service to send SMS to the users involved in the application)
- egov-persister (Helps to persist the data)
- egov-workflow-v2 (Workflow configuration for different BPA application is configured)

API Information

Please refer to Swagger API for YAML file details. Link - [API Specs](#).

Workflow Configuration

Fire NOC: Off Line configuration

```
{
  "businessService": "FIRE_NOC_OFFLINE",
  "business": "noc-services",
  "businessServiceSla": 5184000000,
  "tenantId": "pb",
  "states": [
    {
      "sla": null,
      "state": null,
      "tenantId": "pb",
      "applicationStatus": "INITIATED",
      "docUploadRequired": false,
      "isStartState": true,
      "isTerminateState": false,
      "isStateUpdatable": true,
      "actions": [
        {
          "currentState": "null",
          "action": "INITIATE",
          "tenantId": "pb",
          "nextState": "INITIATED",
          "roles": [
            "CITIZEN",
            "BPA_ARCHITECT",
            "BPA_ENGINEER",
            "BPA_BUILDER",
            "BPA_STRUCTURALENGINEER",
            "BPA_TOWNPLANNER",
            "BPA_SUPERVISOR"
          ]
        }
      ]
    }
  ],
},
```

```
{
```

```
    "sla": null,  
    "state": "INITIATED",  
    "applicationStatus": "INPROGRESS",  
    "docUploadRequired": false,  
    "tenantId": "pb",  
    "isStartState": false,  
    "isTerminateState": false,  
    "isStateUpdatable": false,  
    "actions": [  
        {
```

```
            "currentState": "INITIATED",  
            "action": "AUTO_APPROVE",  
            "tenantId": "pb",  
            "nextState": "AUTO_APPROVED",  
            "roles": [  
                "BPA_VERIFIER",  
                "BPA_FIELD_INSPECTOR",  
                "BPA_NOC_VERIFIER",  
                "BPA_APPROVER"  
            ]
```

```
        },  
        {
```

```
            "currentState": "INITIATED",  
            "action": "VOID",  
            "tenantId": "pb",  
            "nextState": "VOIDED",  
            "roles": [  
                "BPA_VERIFIER",  
                "BPA_FIELD_INSPECTOR",  
                "BPA_NOC_VERIFIER",  
                "BPA_APPROVER"  
            ]
```

```
        }  
    ]
```

```
},  
{
```

```
    "sla": null,  
    "state": "VOIDED",  
    "applicationStatus": "VOIDED",  
    "docUploadRequired": false,  
    "tenantId": "pb",  
    "isStartState": false,  
    "isTerminateState": true,  
    "isStateUpdatable": false,  
    "actions": null
```

```
},  
{
```

```
    "sla": null,  
    "state": "AUTO_APPROVED",
```

```

        "applicationStatus": "AUTO_APPROVED",
        "docUploadRequired": false,
        "tenantId": "pb",
        "isStartState": false,
        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    }
]
}

```

Airport Authority NOC: Off Line Configuration

```
{
```

```

    "businessService": "AIRPORT_NOC_OFFLINE",
    "business": "noc-services",
    "tenantId": "pb",
    "businessServiceSla": 5184000000,
    "states": [
        {

```

```

            "sla": null,
            "state": null,
            "applicationStatus": "INITIATED",
            "docUploadRequired": false,
            "tenantId": "pb",
            "isStartState": true,
            "isTerminateState": false,
            "isStateUpdatable": true,
            "actions": [
                {

```

```

                    "currentState": "null",
                    "action": "INITIATE",
                    "tenantId": "pb",
                    "nextState": "INITIATED",
                    "roles": [
                        "CITIZEN",
                        "BPA_ARCHITECT",
                        "BPA_ENGINEER",
                        "BPA_BUILDER",
                        "BPA_STRUCTURALENGINEER",
                        "BPA_TOWNPLANNER",
                        "BPA_SUPERVISOR"

```

```

                    ]
                }
            ]
        },
    ]
}

```

```

        "sla": null,
        "state": "INITIATED",
        "tenantId": "pb",

```

```
"applicationStatus": "INPROGRESS",
"docUploadRequired": false,
"isStartState": false,
"isTerminateState": false,
"isStateUpdatable": false,
"actions": [
{
```

```
    "currentState": "INITIATED",
    "action": "AUTO_APPROVE",
    "tenantId": "pb",
    "nextState": "AUTO_APPROVED",
    "roles": [
        "BPA_VERIFIER",
        "BPA_FIELD_INSPECTOR",
        "BPA_NOC_VERIFIER",
        "BPA_APPROVER"
    ]
},
{
```

```
    "currentState": "INITIATED",
    "action": "VOID",
    "tenantId": "pb",
    "nextState": "VOIDED",
    "roles": [
        "BPA_VERIFIER",
        "BPA_FIELD_INSPECTOR",
        "BPA_NOC_VERIFIER",
        "BPA_APPROVER"
    ]
}
],
{
```

```
    "sla": null,
    "state": "VOIDED",
    "tenantId": "pb",
    "applicationStatus": "VOIDED",
    "docUploadRequired": false,
    "isStartState": false,
    "isTerminateState": true,
    "isStateUpdatable": false,
    "actions": null
},
{
```

```
    "sla": null,
    "state": "AUTO_APPROVED",
    "tenantId": "pb",
    "applicationStatus": "AUTO_APPROVED",
    "docUploadRequired": false,
    "isStartState": false,
    "isTerminateState": true,
```

```

        "isStateUpdatable": false,
        "actions": null
      }
    ]
  }
}

```

Fire NOC: Online configuration

```

{
  "businessService": "FIRE_NOC_SRV",
  "business": "noc-services",
  "tenantId": "pb",
  "businessServiceSla": 5184000000,
  "states": [
    {
      "sla": null,
      "state": null,
      "applicationStatus": "INITIATED",
      "docUploadRequired": false,
      "isStartState": true,
      "tenantId": "pb",
      "isTerminateState": false,
      "isStateUpdatable": true,
      "actions": [
        {
          "currentState": "null",
          "action": "INITIATE",
          "tenantId": "pb",
          "nextState": "INITIATED",
          "roles": [
            "CITIZEN",
            "BPA_ARCHITECT",
            "BPA_ENGINEER",
            "BPA_BUILDER",
            "BPA_STRUCTURALENGINEER",
            "BPA_TOWNPLANNER",
            "BPA_SUPERVISOR"
          ]
        }
      ]
    },
    {
      "sla": null,
      "state": "INITIATED",
      "applicationStatus": "INPROGRESS",
      "docUploadRequired": false,
      "tenantId": "pb",
      "isStartState": false,
      "isTerminateState": false,
      "isStateUpdatable": false,

```

```
"actions": [  
  {
```

```
    "currentState": "INITIATED",  
    "tenantId": "pb",  
    "action": "REJECT",  
    "nextState": "REJECTED",  
    "roles": [  
      "FIRE_NOC_APPROVER"  
    ]
```

```
  },  
  {
```

```
    "currentState": "INITIATED",  
    "tenantId": "pb",  
    "action": "APPROVE",  
    "nextState": "APPROVED",  
    "roles": [  
      "FIRE_NOC_APPROVER"  
    ]
```

```
  },  
  {
```

```
    "currentState": "INITIATED",  
    "action": "VOID",  
    "tenantId": "pb",  
    "nextState": "VOIDED",  
    "roles": [  
      "BPA_VERIFIER",  
      "BPA_FIELD_INSPECTOR",  
      "BPA_NOC_VERIFIER"  
    ]
```

```
  }
```

```
]
```

```
},  
{
```

```
  "sla": null,  
  "state": "REJECTED",  
  "tenantId": "pb",  
  "applicationStatus": "REJECTED",  
  "docUploadRequired": false,  
  "isStartState": false,  
  "isTerminateState": true,  
  "isStateUpdatable": false,  
  "actions": null
```

```
},  
{
```

```
  "sla": null,  
  "state": "APPROVED",  
  "tenantId": "pb",  
  "applicationStatus": "APPROVED",  
  "docUploadRequired": false,  
  "isStartState": false,
```

```

        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    },
    {
        "sla": null,
        "state": "VOIDED",
        "tenantId": "pb",
        "applicationStatus": "VOIDED",
        "docUploadRequired": false,
        "isStartState": false,
        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    }
]
}

```

Airport Authority: Online configuration

```

{
    "businessService": "AIRPORT_NOC_SRV",
    "business": "noc-services",
    "tenantId": "pb",
    "businessServiceSla": 5184000000,
    "states": [
        {
            "sla": null,
            "state": null,
            "applicationStatus": "INITIATED",
            "docUploadRequired": false,
            "isStartState": true,
            "tenantId": "pb",
            "isTerminateState": false,
            "isStateUpdatable": true,
            "actions": [
                {
                    "currentState": "null",
                    "action": "INITIATE",
                    "tenantId": "pb",
                    "nextState": "INITIATED",
                    "roles": [
                        "CITIZEN",
                        "BPA_ARCHITECT",
                        "BPA_ENGINEER",
                        "BPA_BUILDER",
                        "BPA_STRUCTURALENGINEER",
                        "BPA_TOWNPLANNER",
                        "BPA_SUPERVISOR"
                    ]
                }
            ]
        }
    ]
}

```



```
]
},
{
```

```
"sla": null,
"state": "INITIATED",
"applicationStatus": "INPROGRESS",
"docUploadRequired": false,
"isStartState": false,
"isTerminateState": false,
"tenantId": "pb",
"isStateUpdatable": false,
"actions": [
  {
```

```
    "currentState": "INITIATED",
    "action": "REJECT",
    "tenantId": "pb",
    "nextState": "REJECTED",
    "roles": [
      "AIRPORT_AUTHORITY_APPROVER"
    ]
  },
  {
```

```
    "currentState": "INITIATED",
    "action": "APPROVE",
    "tenantId": "pb",
    "nextState": "APPROVED",
    "roles": [
      "AIRPORT_AUTHORITY_APPROVER"
    ]
  },
  {
```

```
    "currentState": "INITIATED",
    "action": "VOID",
    "tenantId": "pb",
    "nextState": "VOIDED",
    "roles": [
      "BPA_VERIFIER",
      "BPA_FIELD_INSPECTOR",
      "BPA_NOC_VERIFIER"
    ]
  }
]
},
{
```

```
"sla": null,
"state": "REJECTED",
"tenantId": "pb",
"applicationStatus": "REJECTED",
"docUploadRequired": false,
"isStartState": false,
```

```

        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    },
    {
        "sla": null,
        "state": "APPROVED",
        "applicationStatus": "APPROVED",
        "docUploadRequired": false,
        "tenantId": "pb",
        "isStartState": false,
        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    },
    {
        "sla": null,
        "state": "VOIDED",
        "applicationStatus": "VOIDED",
        "tenantId": "pb",
        "docUploadRequired": false,
        "isStartState": false,
        "isTerminateState": true,
        "isStateUpdatable": false,
        "actions": null
    }
]
}

```

Database Schema

Notifications

NA

PDF's Used

NA