

NOC Promotion Document

NOC Service Deployment/Promotion Document

Description

For every service applied 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.

Actors

CITIZEN, ARCHITECT, FIRE_NOC_APPROVER,
AIRPORT_AUTHORITY_APPROVER, BPA_NOC_VERIFIER, "BPA_VERIFIER",
"BPA_FIELD_INSPECTOR"

NOTE

Search NOC API considers only active status records.

Promotion Steps

Update Role Actions to NOC Users for Workflow and Locality Search

<https://github.com/egovernments/egov-mdms-data/pull/1187> - Connect to preview

Update Role Actions for NOC Users

<https://github.com/egovernments/egov-mdms-data/pull/1188> - Connect to preview

Updated Navigation Url Change for NOC

<https://github.com/egovernments/egov-mdms-data/pull/1194> - Connect to preview

29/07/2020

Changed NOC path

<https://github.com/egovernments/egov-mdms-data/pull/1176> - Connect to preview

27/07/2020

Updated locality searcher for NOC services

<https://github.com/egovernments/configs/pull/402/files>

23/07/2020

Updated NOC workflow codes

<https://github.com/egovernments/egov-mdms-data/pull/1163/files>

20/07/2020

Created NocTypeMapping.json

<https://github.com/egovernments/egov-mdms-data/pull/1151/files>

Added quick action and locality searcher

<https://github.com/egovernments/egov-mdms-data/pull/1152/files>

Update roleactions.json for fire and Airport roles

<https://github.com/egovernments/egov-mdms-data/pull/1153/files>

Promote the following MDMS folders (all files within the folder)

<https://github.com/egovernments/egov-mdms-data/tree/master/data/pb/NOC> - Connect to preview

<https://github.com/egovernments/egov-mdms-data/tree/master/data/pb/ACCESSCONTROL-ACTIONS-TEST> - Connect to preview

```
{
  "id": 2000,
  "name": "NOC Create",
  "url": "/noc-services/v1/noc/_create",
  "displayName": "Create",
  "orderNumber": 0,
  "enabled": false,
  "serviceCode": "NOC",
  "code": "null",
  "path": ""
},
{
  "id": 2001,
  "name": "NOC Search",
  "url": "/noc-services/v1/noc/_search",
  "displayName": "Search",
```

```
    "orderNumber": 0,

    "enabled": false,

    "serviceCode": "NOC",

    "code": "null",

    "path": ""

  },

  {

    "id": 2002,

    "name": "NOC Update",

    "url": "/noc-services/v1/noc/_update",

    "displayName": "Update",

    "orderNumber": 0,

    "enabled": false,

    "serviceCode": "NOC",

    "code": "null",

    "path": ""

  },{

    "id": 2004,

    "name": "search NOC application",

    "url": "quickAction",

    "displayName": "Search NOC Application",

    "orderNumber": 1,

    "queryParams": "",

    "parentModule": "",
```

```
"enabled": true,

"serviceCode": "",

"tenantId": "pb",

"createdDate": null,

"createdBy": null,

"lastModifiedDate": null,

"lastModifiedBy": null,

"path": "Noc.Search NOC Application",

"navigationURL": "egov-bpa/noc-search",

"quickAction": true,

"leftIcon": "communication:business",

"rightIcon": ""

},

{

  "id": 2005,

  "name": "Locality searcher endpoint for Noc Servcies",

  "url": "/egov-searcher/locality/noc-services/_get",

  "displayName": "Noc locality searcher",

  "orderNumber": 0,

  "enabled": false,

  "serviceCode": "egov-searcher",

  "code": "null",

  "path": ""

}
```

<https://github.com/egovernments/egov-mdms-data/tree/master/data/pb/ACCESSCONTROL-ROLEACTIONS> - Connect to preview

```
{  
  "rolecode": "BPA_ARCHITECT",  
  "actionid": 2000,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},
```

```
{  
  "rolecode": "CITIZEN",  
  "actionid": 2000,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},
```

```
{  
  "rolecode": "EMPLOYEE",  
  "actionid": 2000,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},
```

```
{  
  "rolecode": "CITIZEN",  
  "actionid": 2001,
```

```
"actioncode": "",  
"tenantId": "pb"  
},  
  
{  
  "rolecode": "EMPLOYEE",  
  "actionid": 2001,  
  "actioncode": "",  
  "tenantId": "pb"  
},  
  
{  
  "rolecode": "BPA_ARCHITECT",  
  "actionid": 2002,  
  "actioncode": "",  
  "tenantId": "pb"  
},  
  
{  
  "rolecode": "CITIZEN",  
  "actionid": 2002,  
  "actioncode": "",  
  "tenantId": "pb"  
},  
  
{  
  "rolecode": "EMPLOYEE",  
  "actionid": 2002,
```

```
"actioncode": "",
"tenantId": "pb"
},
{
"rolecode": "FIRE_NOC_APPROVER",
"actionid": 1766,
"actioncode": "",
"tenantId": "pb"
},
{
"rolecode": "AIRPORT_AUTHORITY_APPROVER",
"actionid": 1766,
"actioncode": "",
"tenantId": "pb"
}, {
"rolecode": "FIRE_NOC_APPROVER",
"actionid": 2004,
"actioncode": "",
"tenantId": "pb"
},
{
"rolecode": "AIRPORT_AUTHORITY_APPROVER",
"actionid": 2004,
"actioncode": "",
```



```
"tenantId": "pb"
},
{
  "rolecode": "FIRE_NOC_APPROVER",
  "actionid": 2005,
  "actioncode": "",
  "tenantId": "pb"
},
{
  "rolecode": "AIRPORT_AUTHORITY_APPROVER",
  "actionid": 2005,
  "actioncode": "",
  "tenantId": "pb"
},{
  "rolecode": "AIRPORT_AUTHORITY_APPROVER",
  "actionid": 1729,
  "actioncode": "",
  "tenantId": "pb"
},{
  "rolecode": "AIRPORT_AUTHORITY_APPROVER",
  "actionid": 1730,
  "actioncode": "",
  "tenantId": "pb"
},{
```

```
"rolecode": "AIRPORT_AUTHORITY_APPROVER",  
  
"actionid": 1741,  
  
"actioncode": "",  
  
"tenantId": "pb"  
},  
  
"rolecode": "AIRPORT_AUTHORITY_APPROVER",  
  
"actionid": 1742,  
  
"actioncode": "",  
  
"tenantId": "pb"  
},  
  
"rolecode": "AIRPORT_AUTHORITY_APPROVER",  
  
"actionid": 1743,  
  
"actioncode": "",  
  
"tenantId": "pb"  
},  
  
"rolecode": "FIRE_NOC_APPROVER",  
  
"actionid": 1729,  
  
"actioncode": "",  
  
"tenantId": "pb"  
},  
  
"rolecode": "FIRE_NOC_APPROVER",  
  
"actionid": 1730,  
  
"actioncode": "",  
  
"tenantId": "pb"
```

```
},{  
  "rolecode": "FIRE_NOC_APPROVER",  
  "actionid": 1741,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},{  
  "rolecode": "FIRE_NOC_APPROVER",  
  "actionid": 1742,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},{  
  "rolecode": "FIRE_NOC_APPROVER",  
  "actionid": 1743,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},{  
  "rolecode": "FIRE_NOC_APPROVER",  
  "actionid": 2001,  
  "actioncode": "",  
  "tenantId": "pb"
```

```
},{  
  "rolecode": "FIRE_NOC_APPROVER",  
  "actionid": 2002,  
  "actioncode": "",
```

```
"tenantId": "pb"

},{

"rolecode": "AIRPORT_AUTHORITY_APPROVER",

"actionid": 2001,

"actioncode": "",

"tenantId": "pb"

},{

"rolecode": "AIRPORT_AUTHORITY_APPROVER",

"actionid": 2002,

"actioncode": "",

"tenantId": "pb"

}
```

<https://github.com/egovernments/egov-mdms-data/tree/master/data/pb/ACCESSCONTROL-ROLES> - Connect to preview

```
{

  "code": "FIRE_NOC_APPROVER",

  "name": "Fire Noc Department Approver",

  "description": "Fire Noc application approver"

},

{

  "code": "AIRPORT_AUTHORITY_APPROVER",

  "name": "Airport authority Approver",

  "description": "Airport authority application approver"

}
```

IDGEN format for NOC

<https://github.com/egovernments/egov-mdms-data/blob/master/data/pb/common-masters/ldFormat.json>

```
{  
  "format": "PB-NOCSRV-[cy:yyyy-MM-dd]-[SEQ_EG_NOC_APN]",  
  "idname": "noc.application.number"  
}
```

NOC Type Mapping in BPA MDMS

<https://github.com/egovernments/egov-mdms-data/blob/master/data/pb/BPA/NocTypeMapping.json>

Endpoints

- [*/noc-services/v1/noc /_create*](#)
- [*/noc-services/v1/noc / update*](#)
- [*/noc-services/v1/noc / search*](#)

Workflow config

We need to create the WF config in BusinessService for online and offline NOC types. To do that call the “_create” API in BusinessService and add the below JSON content in the request body.

Business Service Request URI -

<https://egov-micro-dev.egovernments.org/egov-workflow-v2/egov-wf/businessservice/ create>

FIRE_NOC_OFFLINE

```
{  
  "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_NOC_OFFLINE

```

{
    "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_SRV

```

```

{
  "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_NOC_SRV
{

```

```

    "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
}
]
}

```

Persister Config

<https://github.com/egovernments/configs/blob/master/egov-persister/noc-persister.yml>

Indexer Config

<https://github.com/egovernments/configs/blob/master/egov-indexer/egov-noc-services.yml>

Report Config

<https://github.com/egovernments/configs/blob/master/reports/config/noc-services-reports.yml>

Locality Searcher Config

noc-services locality to query to be updated in

<https://github.com/egovernments/configs/blob/master/egov-searcher/localitySearcher.yml>

name: noc-services

query:

baseQuery: |

Select row_to_json(result) from

(

select noc.applicationNo as referenceNumber,ad.locality from eg_bpa_buildingplan bpa

INNER JOIN eg_land_Address ad ON ad.landInfold = bpa.landid JOIN eg_noc noc ON
noc.sourceRefId = bpa.applicationNo

) result \$where

groupBy:

orderBy:

searchParams:

condition: AND

params:

name: result.referenceNumber

isMandatory: true

jsonPath: \$.searchCriteria.referenceNumber

operator:

output:

jsonFormat: {"ResponseInfo": {}}

outJsonPath: \$.Localities

responseInfoPath: \$.ResponseInfo

Updated egov-noc-services.yml

<https://github.com/egovernments/configs/pull/373/files>

Updated noc-persister.yml

<https://github.com/egovernments/configs/pull/373/files>

Id format for NOC

<https://github.com/egovernments/egov-mdms-data/pull/1148/files>

API Contract

<https://github.com/egovernments/municipal-services/blob/Noc-Contract/docs/noc/noc-v-1.0.0.yaml>

Postman Collection

<https://www.getpostman.com/collections/a13920f8bb971c065e13>

Localization keys

<https://docs.google.com/spreadsheets/d/1-W-ow88Gkz1puTX8pNqCGNNWGX2QO4ZEiYspgNGNQeE/edit#gid=622881243> -
[Connect to preview](#)

NOC test cases

<https://docs.google.com/spreadsheets/d/1Scr2dpi5LURZVNluTA1g8n4wFQSeQ8pJyGgnibsE2cl/edit?ts=5ef65923&pli=1#gid=0> - [Connect to preview](#)