API for Birth & Death Registration
Version 1.0

Ministry of Electronics & IT
Government of India
April 2018

Change History

Sr. No.	Author	Version No.	Release Date	Change Details

Meta Data of the Standard

S. No.	Data elements	Values
1.	**Title**	**API for Birth & Death Registration**
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22.	**Relation** *(Relation with other e-Governance standards notified by MeitY)*	**Digital Service Standard (**NeST-GDL-IS.04**)**

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eGov Birth and Death Management System
 description: |
    Rest APIs for Birth and death Management system. The system handles birth, death and still birth registrations along with name correction, child adoption and modification of birth registration operations.
  contact:
    name: Pradeep Kumar C M
    email: pradeep@egovernments.org
schemes:
 - https
consumes:
 - application/json
produces:
 - application/json
basePath: '/bnd/v1'
x-api-id: 'org.egov.bnd.registration'
x-common-path:
paths:

 /birthregistration/_create:

  post:
    summary: Create new birth registration or multiple registrations.
    description: |
        To create a single or multiple birth registration records in the system. Please note that either whole batch of registration succeeds or fails and there's no partial success. To create a single birth registration, please pass an array with one Birth Registration object.

    parameters:
     - name: BirthRegistrationRequest
       in: body
       description: Details of new Birth Registration(s) + RequestInfo meta data.
       required: true
       schema:
         $ref: '#/definitions/BirthRegistrationRequest'

    responses:
    ##
    # All errors will be returned with HTTP error code 400 with customized error code and messages. Consumer of the API need to handle 400 with customized error code and message
    ##
     200:
       description: Birth Registration(s) created successfully
       schema:
         $ref: '#/definitions/BirthRegistrationResponse'
     400:
       description: Birth Registration(s) creation failed
       schema:
         $ref: '#/definitions/ErrorRes'

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```
  tags:
    - Birth Registration
```

/birthregistration/_update:
```
  post:
  summary: Update existing a Birth registration(s).
  description: |
        This api will update a existing birth record in the system. This api does not allow change to the birth
regitration number or registration date.
    parameters:
      - name: BirthRegistrationRequest
      in: body
      description: Details of Birth registration(s) + RequestInfo meta data.
      required: true
      schema:
        $ref: '#/definitions/BirthRegistrationRequest'

    responses:
    ##################################################
    # All errors will be returned with HTTP error code 400 with customized error code and messages. Consumer of
the API need to handle 400 with customized error code and message
    ##################################################
      200:
        description: Birth Registration(s) updated successfully
        schema:
          $ref: '#/definitions/BirthRegistrationResponse'
      400:
        description: Birth Registration(s) updation failed
        schema:
          $ref: '#/definitions/ErrorRes'
    tags:
      - Birth Registration
```

/birthregistration/_search:
```
  post:
  summary: Get the list of birth registration(s) based on the search criteria.
  description: |
    Search and get birth registration(s) based on defined search criteria.

        In case multiple parameters are passed birth registration(s) will be searched as an AND combination of all
the parameters.

        Maximum result size is restricted based on the maxlength of  birth registration as defined in
BirthRegistrationResponse model.

        Search results will be sorted by the sortProperty Provided in the parameters
  parameters:
    - $ref: "#/parameters/requestInfo"
```

- $ref: "#/parameters/pageSize"
- $ref: "#/parameters/pageNumber"
- $ref: "#/parameters/sortProperty"
- name: registrationUnits
  in: query
  type: array
  items:
    type: string
  format: multiValueList
  maxItems: 50
  required: false
  allowEmptyValue: true
  description: Comma separated list of the Registrtion units for which birth registration belongs to

- name: birthDate
  in: query
  type: integer
  format: int64
  x-displayformat: 'dd/MM/yyyy'
  required: false
  description: Birth Date in Epoch time
- name: registrationDate
  in: query
  type: integer
  format: int64
  x-displayformat: 'dd/MM/yyyy'
  required: false
  description: Registration date in Epoch time
- name: registrationDateFrom
  in: query
  type: integer
  format: int64
  x-displayformat: 'dd/MM/yyyy'
  required: false
  description: Registration from date in Epoch time
- name: registrationDateTo
  in: query
  type: integer
  format: int64
  x-displayformat: 'dd/MM/yyyy'
  required: false
  description: Registration to date in Epoch time.
- name: registrationNumbers
  in: query
  type: array
  items:
    type: string
  maxItems: 50

```
    required: false
    allowEmptyValue: true
    description: Comma separated list of birth registration numbers


- name: childName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Matches exact or like string given regardless of case-sensitive.
- name: fatherName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Matches exact or like string given regardless of case-sensitive.
- name: motherName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Matches exact or like string given regardless of case-sensitive.
- name: gender
  type: string
  in: query
  description: gender different types
  enum:
    - MALE
    - FEMALE
    - TRANSGENDER
- name: birthPlaceType
  in: query
  type: string
  enum:
   - HOSPITAL
   - HOUSE
   - OTHERS
   - NOTSTATED
  description: birth event place type
- name: hospitalName
  in: query
  type: array
  items:
    type: string
  maxItems: 50
  required: false
  allowEmptyValue: true
  description: Comma separated list of hospital names
```

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```
    - name: pincode
      in: query
      type: string
      required: false
      allowEmptyValue: true
  responses:
    200:
      description: Birth registration(s) Retrieved Successfully
      schema:
        $ref: '#/definitions/BirthRegistrationResp'
    '400':
      description: Invalid input.
      schema:
        $ref: '#/definitions/ErrorRes'
  tags:
   - Birth Registration
```

/birthregistration/_nameinclusion:
```
  post:
    summary: Name inclusion
    description: |
      The system can allow for a change or addition of child name with in 1 year of registration date. If this
process not completed in one year, then a court order is required to include the child name.
      Pass  nameInclusion flag value as 'true' in birth registration object for this process.
    parameters:
      - name: BirthRegistrationRequest
        in: body
        description: Details of name inclusion with Birth Registration + RequestInfo meta data.
        required: true
        schema:
          $ref: '#/definitions/NameInclusionRequest'

    responses:
    ####################################################
    # All errors will be returned with HTTP error code 400 with customized error code and messages. Consumer of
the API need to handle 400 with customized error code and message
    ####################################################
      200:
        description: Name inclusion(s) created successfully
        schema:
          $ref: '#/definitions/NameInclusionResponse'
      400:
        description: Name inclusion(s) failed
        schema:
          $ref: '#/definitions/ErrorRes'
    tags:
      - Birth Registration
```

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/deathregistration/_create:

  post:

  summary: Create new death registration and multiple registrations.

  description: |

    To create a new death registration in the system. This API supports bulk creation with max limit as defined in the DirthRegistrationRequest object. Please note that either whole batch of registration succeeds or fails and there's no partial batch success. To create a single death registration, please pass an array with one death registration object.

    The registration number can be generated by this api or it can be passed from existing entry(such as legacy system).

  parameters:

    - name: DeathRegistrationRequest

    in: body

    description: Details of new Death Registration(s) + RequestInfo meta data.

    required: true

    schema:

      $ref: '#/definitions/DeathRegistrationRequest'

  responses:

  ##

  # All errors will be returned with HTTP error code 400 with customized error code and messages. Consumer of the API need to handle 400 with customized error code and message

  ##

    200:

    description: Death Registration(s) created successfully

    schema:

      $ref: '#/definitions/DeathRegistrationResponse'

    400:

    description: Death Registration(s) creation failed

    schema:

      $ref: '#/definitions/ErrorRes'

  tags:

    - Death Registration

/deathregistration/_update:

  post:

  summary: Update existing death registration(s).

  description:

    This api will update a existing death record in the system. The api does not allow change to the death regitration number or registration date.

  parameters:

    - name: DeathRegistrationRequest

    in: body

    description: Details of Death registration(s) + RequestInfo meta data.

    required: true

    schema:

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$ref: '#/definitions/DeathRegistrationRequest'

responses:
###
All errors will be returned with HTTP error code 400 with customized error code and messages. Consumer of the API need to handle 400 with customized error code and message
###
  200:
    description: Death Registration(s) updated successfully
    schema:
      $ref: '#/definitions/DeathRegistrationResponse'
  400:
    description: Death Registration(s) updation failed
    schema:
      $ref: '#/definitions/ErrorRes'
tags:
  - Death Registration

/deathregistration/_search:
 post:
    summary: Get the list of death registration(s) based on the search criteria.
    description: |
      Search and get death registration(s) based on defined search criteria.

      In case multiple parameters are passed dirth registration(s) will be searched as an AND combination of all the parameters.

      Maximum result size is restricted based on the maxlength of death Registration as defined in DeathRegistrationResponse model.

      Search results will be sorted by the sortProperty Provided in the parameters
    parameters:
      - $ref: "#/parameters/requestInfo"
      - $ref: "#/parameters/pageSize"
      - $ref: "#/parameters/pageNumber"
      - $ref: "#/parameters/sortProperty"
      - name: registrationUnits
        in: query
        type: array
        items:
          type: string
        format: multiValueList
        maxItems: 50
        required: false
        allowEmptyValue: true
        description: Comma separated list of the Registrtion units for which death registration belongs to

      - name: deathDate

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in: query
type: integer
format: int64
x-displayformat: 'dd/MM/yyyy'
required: false
description: Death Date in epoch time
- name: registrationDate
  in: query
  type: integer
  format: int64
  x-displayformat: 'dd/MM/yyyy'
  required: false
  description: Death registration date in epoch time
- name: registrationNumbers
  in: query
  type: array
  items:
    type: string
  maxItems: 50
  required: false
  allowEmptyValue: true
  description: Comma separated list of death registration numbers

- name: deathPersonName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Name of the deceased. Matches exact or like string given regardless of case-sensitive.
- name: fatherName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Name of the Father. Matches exact or like string given regardless of case-sensitive.
- name: motherName
  in: query
  type: string
  required: false
  allowEmptyValue: true
  description: Name of the mother. Matches exact or like string given regardless of case-sensitive.
- name: gender
  type: string
  in: query
  description: gender different types
  enum:
    - MALE
    - FEMALE

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```
            - TRANSGENDER
          - name: deathPlaceType
            in: query
            type: string
            enum:
             - HOSPITAL
             - HOUSE
             - OTHERS
             - NOTSTATED
            description: Death place type
          - name: hospitalName
            in: query
            type: array
            items:
              type: string
            maxItems: 50
            required: false
            allowEmptyValue: true
            description: Comma separated list of hospital names
          - name: pincode
            in: query
            type: string
            required: false
            allowEmptyValue: true
      responses:
        200:
          description: Death registration(s) Retrieved Successfully
          schema:
             $ref: '#/definitions/DeathRegistrationResp'
        '400':
          description: Invalid input.
          schema:
             $ref: '#/definitions/ErrorRes'
      tags:
        - Death Registration


definitions:
###########################################################
#RequestInfo and ResponseInfo object should be reffered from Common.
#Definition must start with Upper case followed by camel case.
###########################################################
  Person:
    type: object
    description: |
      Representation of a person. The same object will be used to identify different entities in the system like child,
mother,father,relative,informant,death person
    properties:
      id:
```

```
    type: integer
    format: int64
    description: The unique id for person.
    readOnly: true
  cityOrVillageCode:
    type: string
    description: Unique Identifier of the city
  salutation:
    type: string
    description: The salutation of user name. Example- Mr, Miss, Mrs
    maxLength: 5
  name:
    type: string
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    minLength: 3
    maxLength: 100
    description: The given name of the person submitting the request.
  gender:
    type: string
    description: Gender of the person.
    items:
      type: string
      enum:
       - MALE
       - FEMALE
       - TRANSGENDER
  mobileNumber:
    type: string
    description: Mobile number of person
    maxLength: 10
  email:
    type: string
    description: Email address of the person
    maxLength: 128
  contactNumber:
    type: string
    description: Contact number of the person
    maxLength: 18
  aadhaarNumber:
    type: string
    description: Aadhaar number of the person
    pattern: "[0-9]"
    maxLength: 12
  identificationMark:
    type: string
    description: Any identification mark of the person.
    maxLength: 300
required:
```

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    - name
    - gender
    - cityOrVillageCode

NameInclusion:
  type: object
  description: |
   Name inclusion
  properties:
   cityOrVillageCode:
    type: string
    description: Unique Identifier of the city or village used to save address.
   registrationNumber:
    type: string
    description: Birth registration number.
    maxLength: 20
   registrationUnit:
    type: string
    description: registration unit code.
   childName:
    type: string
    description: Child new/correction name.
   courtOrder:
    type: string
    description: registration unit code.
  required:
  - registrationNumber
  - cityOrVillageCode
  - childName

BirthRegistration:
  type: object
  description: |
   Registration of birth records.
  properties:
   cityOrVillageCode:
    type: string
    description: Unique Identifier of the city or village used to save address.
   id:
    type: integer
    format: int64
    description: System generated id for the birth registration.
    readOnly: true
   registrationNumber:
    type: string
    description: Unique number generated for birth registration. This will be contineous number and reset for every calender year. The format will be decided by concerned state. REG1-2017-B-1222 sample example. Here REG1 is the code of the registration unit, 2017 is year, B for birth and 1222 is continuous birth registration

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number.
    pattern: '[a-zA-Z0-9-/]+'
    maxLength: 20
  registrationDate:
   type: integer
   format: int64
   x-displayformat: 'dd/MM/yyyy'
   description: |
      Registration date of birth record in epoch time
  birthDate:
   type: integer
   format: int64
   x-displayformat: 'dd/MM/yyyy'
   description: |
      Birth date of birth record in epoch time

  hospital:
   type: string
   description: Hospital code within registration unit. If birth place is hospital, then this field is mandatory.
  attentionAtDelivery:
   type: string
   description: Deliverty method master code.
  person:
   $ref: "#/definitions/Person"
   description: Child information
  father:
   $ref: "#/definitions/Person"
   description: father information
  mother:
   $ref: "#/definitions/Person"
   description: mother information
  informant:
   $ref: "#/definitions/Person"
   description: Informant person details. In case of hospital, this field is not mandatory.
  methodOfDelivery:
   type: string
   description: Delivery method master code
  registrationUnit:
   type: string
   description: Registration unit code of birth registration
  registrar:
   type: string
   pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~]+"
   description: Registrar who registered birth registration
  remarks:
   type: string
   pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~]+"
   maxLength: 512

  description: Remarks in birth registration. Court order and other informations will be saved in this field.
fileNumber:
  type: string
  pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~]+"
  description: Existing record file number (if any)
  maxLength: 10
birthWeight:
   type: number
   format: BigDecimal
   description: Birth weight of child
pregnencyDuration:
   type: integer
   format: int64
   description: Pregnency duration. The range should be in months.
birthAddress:
  $ref: "#/definitions/Address"
  description: Birth address. In case of informant is hospital, hospital address will be consider.Incase of birth happened in house or other place, this field is mandatory.
  birthPlaceType:
  type: string
  description: Place of birth
  items:
   type: string
   enum:
    - HOSPITAL
    - HOUSE
    - OTHERS
    - NOTSTATED
motherOccupation:
  type: string
  description: Reference to occupation. Mother occupation detail
fatherOccupation:
  type: string
  description: Reference to occupation. Father occupation detail
motherEducation:
  type: string
  description: Education code of mother
fatherEducation:
  type: string
  description: Education of father code
motherAgeAtMarriage:
  type: integer
  format: int64
  description: Age of mother at the time of marriage.maximum value and minimum value check required.
numberOfChildren:
  type: integer
  format: int64
  description: Number of children at the time of delivery

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```
motherAgeAtChildBirth:
  type: integer
  format: int64
  description: Age of mother at the time of child birth.maximum value and minimum value check required.
religion:
  type: string
  description: Religion code reference. Religion of family.
fatherNationality:
  type: string
  description: Reference to Nationality code. Nationality of father
motherNationality:
  type: string
  description: Reference to Nationality code. Nationality of mother
motherUsualResidenceType:
  type: string
  description: Mother usual residence place. Select either town or village.
  items:
    type: string
    enum:
     - Town
     - Village
motherUsualAddress:
  $ref: "#/definitions/Address"
  description: Town or village of residence of the mother. Save town/village, district and state informaion
using address.
  status:
    type: string
    description: Status of birth registation
    readOnly: true
    items:
      type: string
      enum:
       - CREATED
       - APPROVED
       - NOT APPROVED
       - CANCELLED
       - INVALID
  documents:
    type: array
    description: >-
      Birth registration related documents
    items:
      $ref: '#/definitions/BndDocument'
required:
 - cityOrVillageCode
 - registrationUnit
 - person
 - father
```

- mother
- registrar
- birthAddress
- birthDate
- registrationDate
- birthPlaceType

BirthRegistrationResp:
  type: object
  description: |
    Registration of birth records.
  properties:
    cityOrVillageCode:
      type: string
      description: Unique Identifier of the city or village used to save address.
    id:
      type: integer
      format: int64
      description: System generated id for the birth registration.
      readOnly: true
    registrationNumber:
      type: string
      description: Unique number generated for birth registration. This will be contineous number and reset for every calender year. The format will be decided by concerned state. REG1-2017-B-1222 sample example. Here REG1 is the code of the registration unit, 2017 is year, B for birth and 1222 is continuous birth registration number.
      pattern: '[a-zA-Z0-9-/]+'
      maxLength: 20
    registrationDate:
      type: integer
      format: int64
      x-displayformat: 'dd/MM/yyyy'
      description: |
        Registration date of birth record in epoch time.
    birthDate:
      type: integer
      format: int64
      x-displayformat: 'dd/MM/yyyy'
      description: |
        Birth date of birth record in epoch time

    hospital:
      $ref: "#/definitions/Hospital"
      description: Reference to Hospital. If birth place is hospital, then this field is mandatory.
    attentionAtDelivery:
      $ref: "#/definitions/AttentionAtDelivery"
      description: Deliverty method used in birth.
    person:

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```
    $ref: "#/definitions/Person"
    description: Child information
  father:
    $ref: "#/definitions/Person"
    description: father information
  mother:
    $ref: "#/definitions/Person"
    description: mother information
  informant:
    $ref: "#/definitions/Person"
    description: Informant person details. In case of hospital, this field is not mandatory.
  methodOfDelivery:
    $ref: "#/definitions/MethodOfDelivery"
    description: Delivery method
  registrationUnit:
    $ref: "#/definitions/RegistrationUnit"
    description: Registration  unit of birth registration
  registrar:
    type: string
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    description: Registrar who registered birth registration
  remarks:
    type: string
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    maxLength: 512
    description: Remarks in birth registration. Court order and other informations will be saved in this field.
  fileNumber:
    type: string
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    description: Existing record file number (if any)
    maxLength: 10
  birthWeight:
      type: number
      format: BigDecimal
      description: Birth weight of child in grams.
  pregnencyDuration:
      type: integer
      format: int64
      description: Pregnency duration. The range should be in months.
  birthAddress:
    $ref: "#/definitions/Address"
    description: Birth address. In case of informant is hospital, hospital address will be consider.Incase of birth
happened in house or other place, this field is mandatory.
    birthPlaceType:
    type: string
    description: Place of birth
    items:
      type: string
```

```
    enum:
     - HOSPITAL
     - HOUSE
     - OTHERS
     - NOTSTATED
motherOccupation:
 $ref: "#/definitions/Occupation"
 description: Reference to code of Mother's occupation
fatherOccupation:
 $ref: "#/definitions/Occupation"
 description: Reference to code of Father's occupation
religion:
 $ref: "#/definitions/Religion"
 description: Religion of deceased.
motherEducation:
 $ref: "#/definitions/Education"
 description: Education of mother
fatherEducation:
 $ref: "#/definitions/Education"
 description: Education of father
motherAgeAtMarriage:
 type: integer
 format: int64
 description: Age of mother at the time of marriage.maximum value and minimum value check required.
numberOfChildren:
 type: integer
 format: int64
 description: Number of children at the time of delivery
motherAgeAtChildBirth:
 type: integer
 format: int64
 description: Age of mother at the time of child birth.maximum value and minimum value check required.
fatherNationality:
 $ref: "#/definitions/Nationality"
 description: Reference to Nationality. Nationality of father
motherNationality:
 $ref: "#/definitions/Nationality"
 description: Reference to Nationality. Nationality of mother
motherUsualResidenceType:
 type: string
 description: Mother usual residence place. Select either town or village.
 items:
  type: string
  enum:
   - Town
   - Village
motherUsualAddress:
 $ref: "#/definitions/Address"
```

description: Town or village of residence of the mother. Save town/village, district and state informaion using address.
    status:
     type: string
     description: Status of birth registation
     readOnly: true
     items:
      type: string
      enum:
       - CREATED
       - APPROVED
       - NOT APPROVED
       - CANCELLED
       - INVALID
    documents:
     type: array
     description: >-
      Birth registration related documents
     items:
      $ref: '#/definitions/BndDocument'

DeathRegistration:
  type: object
  description: |
   Registration of Death records.
  properties:
   cityOrVillageCode:
    type: string
    description: Unique Identifier of the city used to save address.
   id:
    type: integer
    format: int64
    description: System generated id for the death registration.
    readOnly: true
   registrationNumber:
    type: string
    description: Unique number generated for death registration. This will be contineous number and reset for every calender year. The format will be decided by concerned state. REG1-2017-D-14 sample example. Here REG1 is the code of the registration unit, 2017 is year, D for Death and 14 is continuous death registration number.
    maxLength: 20
   registrationDate:
    type: integer
    format: int64
    x-displayformat: 'dd/MM/yyyy'
    description: |
     Registration date of death record in epoch time.
   deathDate:

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```
    type: integer
    format: int64
    x-displayformat: 'dd/MM/yyyy'
    description: |
        Date of death of the deceased in epoch time
   hospital:
    type: string
    description: Reference hospital code. If death place is hospital, then this field is mandatory.
   deathMedicallyCertified:
    type: boolean
    description: Boolean value. Is death medically certified by doctor.
    default: false
   deathAtPregnancy:
    type: boolean
    description: Boolean value. Is death happened during pregnancy.
    default: false
   ageOfDeathPerson:
      type: integer
      format: int64
      description: Age of deceased.
   ageType:
    type: string
    description: Age Type
    items:
      type: string
      enum:
       - Year
       - Week
       - Month
       - Day
       - Hour
       - Not STATED
   attentionAtDeath:
    type: string
    description: Attention code reference.
   deathPerson:
    $ref: "#/definitions/Person"
    description: Death person information
   relative:
    $ref: "#/definitions/Person"
    description: Relative information will be collected. Either wife/father/mother/husband information will be
collected along with death person.
   relationShipType:
    $ref: "#/definitions/RelationShipType"
   informant:
    $ref: "#/definitions/Person"
    description: Informant person details. In case of hospital, this field is not mandatory.
   registrationUnit:
```

```
    type: string
    description: Code of the Registration unit code.
  registrar:
    type: string
    maxLength: 100
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    description: Registrar who registered death registration
  remarks:
    type: string
    pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
    maxLength: 512
    description: Remarks in death registration. Court order and other informations will be saved in this field.
  fileNumber:
    type: string
    description: Existing record file number (if any)
    maxLength: 10
  deceasedAddress:
    $ref: "#/definitions/Address"
    description: Death person permanent address.
  deathAddress:
    $ref: "#/definitions/Address"
    description: Death address. In case of informant is hospital, hospital address will be consider.Incase of death
happened in house or other place, this field is mandatory.
  deathPlaceType:
    type: string
    description: Place of death
    items:
      type: string
      enum:
       - HOSPITAL
       - HOUSE
       - OTHERS
       - NOTSTATED
  icdClasification:
    type: string
    description: ICD clasification reference to define cause of death.
  occupation:
    type: string
    description: Reference to occupation master code. Occupation code of the deceased.
  nationality:
    type: string
    description: Reference to Nationality master.  Nationality code of the deceased.
  religion:
    type: string
    description: Religion code.
  maritalStatus:
      type: string
      enum:
```

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```
         - Married
         - Unmarried
         - Divorced
         - Widow
         - Widower
         - Not Stated
      description: |
         Marital status of death person.
   status:
     type: string
     readOnly: true
     description: Status of birth registation
     items:
       type: string
       enum:
        - CREATED
        - LOCKED
        - APPROVED
        - NOT APPROVED
        - CANCELLED
        - INVALID
   addictions:
      type: array
      description: >-
         Death person addiction details.
      items:
        $ref: '#/definitions/DeathPersonAddiction'
      readOnly: true
   documents:
      type: array
      description: >-
         Death registration related documents
      items:
        $ref: '#/definitions/BndDocument'

 required:
  - cityOrVillageCode
  - registrationUnit
  - deathPerson
  - ageOfDeathPerson
  - ageType
  - registrar
  - deathAddress
  - deathPlaceType
  - deathDate
  - registrationDate
```

DeathRegistrationResp:

```
type: object
description: |
  Registration of Death records.
properties:
  cityOrVillageCode:
    type: string
    description: Unique Identifier of the city used to save address.
  id:
    type: integer
    format: int64
    description: System generated id for the death registration.
    readOnly: true
  registrationNumber:
    type: string
    description: Unique number generated for death registration. This will be contineous number and reset for
```
every calender year. The format will be decided by concerned state. REG1-2017-D-14 sample example. Here
REG1 is the code of the registration unit, 2017 is year, D for Death and 14 is continuous death registration
number.
```
    maxLength: 20
  registrationDate:
    type: integer
    format: int64
    x-displayformat: 'dd/MM/yyyy'
    description: |
      Registration date of death record in epoch time
  deathDate:
    type: integer
    format: int64
    x-displayformat: 'dd/MM/yyyy'
    description: |
      Death date of death record in epoch time.
  hospital:
    $ref: "#/definitions/Hospital"
    description: Reference to Hospital. If death place is hospital, then this field is mandatory.
  deathMedicallyCertified:
    type: boolean
    description: Boolean value. Is death medically certified by doctor.
    default: false
  deathAtPregnancy:
    type: boolean
    description: Boolean value. Is death happened during pregnancy.
    default: false
  ageOfDeathPerson:
    type: integer
    format: int64
    description: Age of deceased.
  ageType:
    type: string
```

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```
    description: Age Type
   items:
    type: string
    enum:
     - Year
     - Week
     - Month
     - Day
     - Hour
     - Not STATED
  attentionAtDeath:
   $ref: "#/definitions/AttentionAtDeath"
   description: Attention code reference.
  deathPerson:
   $ref: "#/definitions/Person"
   description: Death person information
  relative:
   $ref: "#/definitions/Person"
   description: Relative information will be collected. Either wife/father/mother/husband information will be
collected along with death person.
  relationShipType:
   $ref: "#/definitions/RelationShipType"
  informant:
   $ref: "#/definitions/Person"
   description: Informant person details. In case of hospital, this field is not mandatory.
  registrationUnit:
   $ref: "#/definitions/RegistrationUnit"
   description: Registration  unit code .
  registrar:
   type: string
   maxLength: 100
   pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
   description: Registrar who registered death registration
  remarks:
   type: string
   pattern: "[0-9a-zA-Z_@./#&+-/!(){}\",^$%*|=;:<>?`~ ]+"
   maxLength: 512
   description: Remarks in death registration. Court order and other informations will be saved in this field.
  fileNumber:
   type: string
   description: Existing record file number (if any)
   maxLength: 10
  deceasedAddress:
   $ref: "#/definitions/Address"
   description: Death person permanent address.
  deathAddress:
   $ref: "#/definitions/Address"
   description: Death address. In case of informant is hospital, hospital address will be consider.Incase of death
```

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happened in house or other place, this field is mandatory.
```
    deathPlaceType:
     type: string
     description: Place of death
     items:
      type: string
      enum:
       - HOSPITAL
       - HOUSE
       - OTHERS
       - NOTSTATED
    icdClasification:
     type: string
     description: ICD clasification reference to define cause of death.
    occupation:
     $ref: "#/definitions/Occupation"
     description: Reference to occupation. Occupation code of death person
    nationality:
     $ref: "#/definitions/Nationality"
     description: Reference to Nationality. Nationality code of death person
    religion:
     $ref: "#/definitions/Religion"
     description: Religion code.
    maritalStatus:
     type: string
     enum:
      - Married
      - Unmarried
      - Divorced
      - Widow
      - Widower
      - Not Stated
     description: |
       Marital status of death person.
    status:
     type: string
     readOnly: true
     description: Status of birth registation
     items:
      type: string
      enum:
       - CREATED
       - LOCKED
       - APPROVED
       - NOT APPROVED
       - CANCELLED
       - INVALID
    addictions:
```

```
      type: array
      description: >-
        Death person addiction details.
      items:
        $ref: '#/definitions/DeathPersonAddiction'
      readOnly: true
    documents:
      type: array
      description: >-
        Death registration related documents
      items:
        $ref: '#/definitions/BndDocument'


  required:
   - cityOrVillageCode
   - registrationUnit
   - deathPerson
   - ageOfDeathPerson
   - ageType
   - registrar
   - deathAddress
   - deathPlaceType
   - deathDate
   - registrationDate
```

DeathPersonAddiction:
```
 type: object
 description: |
   Statistical information about death person habits will be captured.
 properties:
   cityOrVillageCode:
     type: string
     description: Unique Identifier of the city/village used to save addiction.
   id:
     type: integer
     format: int64
     description: System generated id for the death person addiction
     readOnly: true
   addictionInYears:
     type: number
     format: BigDecimal
     description: Number of years addicted
   addiction:
     $ref: '#/definitions/Addiction'
     description: Addiction reference.
   deathRegistration:
     $ref: '#/definitions/DeathRegistration'
     description: death record reference
```

```
   required:
    - cityOrVillageCode
    - addictionInYears
    - addiction
    - deathRegistration

  Address:
   type: object
   description: |
      Representation of a address. Applicant address,parent address, informant address, death address, deceased
permanent or temporary address are saving in this object.
   properties:
    cityOrVillageCode:
     type: string
     description: Unique Identifier of the city/village used to save address.
    latitude:
     type: number
     format: double
     description: latitude of the address
    longitude:
     type: number
     format: double
     description: longitude of the address
    id:
     type: integer
     format: int64
     description: System generated id for the address
     readOnly: true
    careof:
     description: Field to capture Care of person name
     type: string
     maxLength: 60
    building:
     description: House, Door, Building number
     type: string
     maxLength: 60
    street:
     description: street number and name
     type: string
     maxLength: 60
    locality:
     description:  Locality, Area, Zone, Ward
     type: string
     maxLength: 60
    landmark:
     description: additional landmark to help locate the address
     type: string
     maxLength: 60
```

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```
city:
  description: City of the address.
  type: string
village:
  description: village name of the address.
  type: string
district:
  description: District of the address.
  type: string
state:
  description: state name
  type: string
pincode:
  type: string
  description: PIN code of the address. Indian pincodes will usually be all numbers.
addressType:
    type: string
    enum:
      - PERMANENTADDRESS
      - EVENTADDRESS
      - GENERAL
      - PRESENTADDRESS
      - USUALADDRESS
      - CORRESPONDINGADDRESS
    description: |
        Address types. Used to define different type of address. In death case, death person permanent address,
present address will be collected. In birth case, mother usual resideing address, present address and permanent
address will be collected.
  required:
   - city
   - addressType
   - cityOrVillageCode
State:
  type: object
  description: |
    Representation of different States of country.
  properties:
   code:
    type: string
    description: Unique Code to identify State.
    readOnly: true
   name:
    type: string
    description: State name.
   nameLocale:
    type: string
    description:  State name in local Langauge.
   active:
```

```
       type: boolean
       description: Boolean value. Default value true
       default: true
    required:
     - code
     - name
District:
  type: object
  description: |
    Representation of different District of country.
  properties:
    code:
       type: string
       description: Unique Code to identify District.
       readOnly: true
    state:
       $ref: "#/definitions/State"
       description: Reference to state object.
    name:
       type: string
       description: District name.
    nameLocale:
       type: string
       description:  District name in local Langauge.
    active:
       type: boolean
       description: Boolean value. Default value true
       default: true
    required:
     - code
     - name
     - state
Taluk:
  type: object
  description: |
    Representation of different Taluk.
  properties:
    code:
       type: string
       description: Unique Code to identify Taluk.
       readOnly: true
    state:
       $ref: "#/definitions/State"
       description: Reference to state object.
    district:
       $ref: "#/definitions/District"
       description: Reference to district object.
    name:
```

```
       type: string
       description: Taluk name.
     nameLocale:
       type: string
       description:  Taluk name in local Langauge.
     active:
       type: boolean
       description: Boolean value. Default value true
       default: true
   required:
    - code
    - name
    - district
    - state
Education:
  type: object
  description: |
    Representation of different Education.
  properties:
    code:
      type: string
      description: Unique Code to identify Education.
      readOnly: true
    name:
      type: string
      description: Education name.
    nameLocale:
      type: string
      description:  Education name in local Langauge.
    active:
      type: boolean
      description: Boolean value. Default value true
      default: true
   required:
    - code
    - name
Occupation:
  type: object
  description: |
    Representation of different Occupation.
  properties:
    code:
      type: string
      description: Unique Code to identify occupation.
      readOnly: true
    name:
      type: string
      description: occupation name.
```

```
nameLocale:
  type: string
  description:  occupation name in local Langauge.
active:
  type: boolean
  description: Boolean value. Default value true
  default: true
required:
 - code
 - name
```
RelationShipType:
```
type: object
description: |
  Representation of different RelationShipType. Define  relations like father,mother,sister, brother etc.
properties:
  code:
    type: string
    description: Unique Code to identify RelationShipType.
    readOnly: true
  name:
    type: string
    description: RelationShipType name.
  nameLocale:
    type: string
    description:  RelationShipType name in local Langauge.
active:
  type: boolean
  description: Boolean value. Default value true
  default: true
required:
 - code
 - name
```

Nationality:
```
type: object
description: |
  Nationality of deceased person.Eg Indian,Srilankan,American
properties:
  code:
    type: string
    description: Unique Code to identify  Nationality
    readOnly: true
  name:
    type: string
    description:  Nationality name.
  nameLocale:
    type: string
    description:  Nationality name in local Langauge.
```

```
    active:
      type: boolean
      description: Boolean value. Default value true
      default: true
  required:
   - code
   - name
 MethodOfDelivery:
  type: object
  description: |
    Different  Method of Delivery. Normal,Caesarean,Forceps/Vacuum,Not Stated
  properties:
    code:
      type: string
      description: Unique Code to identify  Method of Delivery.
      readOnly: true
    name:
      type: string
      description:  Method of Delivery name.
    nameLocale:
      type: string
      description:   Method of Delivery name in local Langauge.
    active:
      type: boolean
      description: Boolean value. Default value true
      default: true
  required:
   - code
   - name


 AttentionAtDelivery:
  type: object
  description: |
    Different attention types at delivery time. Institutional - Government,Institutional - Private or Non-
Government,Doctor, Nurse or Trained Midwife,Traditional Birth Attendant,Relatives or Others,Not Stated.
    properties:
    code:
      type: string
      description: Unique Code to identify AttentionType.
      readOnly: true
    name:
      type: string
      description: Type of attention.
    nameLocale:
      type: string
      description:  Type of attention in loacl language
    active:
      type: boolean
```

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```
      description: Boolean value. Default value true
      default: true
    required:
     - code
     - name
  AttentionAtDeath:
    type: object
    description: |
      Different attention types at death time. Institutional,Medical Attention Other than Institution,No Medical
Attention,Not Stated
    properties:
      code:
        type: string
        description: Unique Code to identify AttentionType at death time.
        readOnly: true
      name:
        type: string
        description: Attention Type name.
      nameLocale:
        type: string
        description:  Attention Type name in local Langauge.
      active:
        type: boolean
        description: Boolean value. Default value true
        default: true
    required:
     - code
     - name


  Hospital:
    type: object
    description: |
      Hospital names list. From these hospitals birth/death and still birth information collected in concerned city.
    properties:
      cityOrVillageCode:
        type: string
        description: Unique Identifier of the city
      code:
        type: string
        description: Unique Code to identify Hospital .Either system generated id or code.
        readOnly: true
      name:
        type: string
        description: Hospital name.
      nameLocale:
        type: string
        description:  Hospital name in local Langauge.
      hospitalType:
```

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```
      type: string
      enum:
        - PRIVATE HOSPITAL
        - GOVERNMENTS HOSPITAL
        - NURSING HOME
        - OTHERS
        - NOT STATED
      description: |
        Type of hospital
    active:
      type: boolean
      description: Boolean value. Default value true
      default: true
    registrationUnit:
      type: string
      description: Each hospital mapped to registration unit within city.
  required:
   - code
   - name
   - hospitalType
   - registrationUnit
   - cityOrVillageCode


 ICDMajorGroup:
  type: object
  description: |
   ICD Classified dieseses are grouped under major and sub groups. These diesese names will be selected with
death and stil birth registration.
    properties:
     id:
      type: string
      description: Unique Code to identify ICDMajorGroup.Either system generated id or code.
      readOnly: true
     name:
      type: string
      description: ICD Major Group name.
     nameLocale:
      type: string
      description:  ICD Major Group name in local Langauge.
     active:
      type: boolean
      description: Boolean value. Default value true
      default: true
    required:
     - id
     - name


 RegistrationUnit:
```

```
  type: object
  description: |
    There will be single or multiple registration units to register/issue birth and death registration/certificates.
  properties:
    cityOrVillageCode:
      type: string
      description: Unique Identifier of the city or village
    code:
      type: string
      description: Unique Code to identify registration unit.
      readOnly: true
    name:
      type: string
      description: Registration unit name.
    address:
      type: string
      description: Registration unit address.
    nameLocale:
      type: string
      description:  Registration unit name in local Langauge.
    active:
      type: boolean
      description: Boolean value. Default value true
      default: true
    mainRegistrationUnit:
      type: boolean
      description: Boolean value. Default value false. Each city has atleast one main registration unit. All
documents will move from zonal units to main units after one year of registration.
      default: false
  required:
    - code
    - name
    - cityOrVillageCode

Religion:
  type: object
  description: |
    Representation of different religion. Eg: Hindu,muslim, sikh, parsi etc
  properties:
    code:
      type: string
      description: Unique Code to identify religion.Either system generated id or code.
      readOnly: true
    name:
      type: string
      description: Religion name.
    nameLocale:
      type: string
```

```
    description:  Religion name in local Langauge.
   active:
     type: boolean
     description: Boolean value. Default value true
     default: true
  required:
   - code
   - name

BndDocument:
 type: object
 description: |
   List of documents required for registration.
 properties:
  id:
    type: integer
    format: int64
    description: System generated id for the Birth and death registration documents.
    readOnly: true
  registrationType:
    type: string
    enum:
      - BIRTH REGISTRATION
      - DEATH REGISTRATION
      - STILLBIRTH
      - NAMEINCLUSION
      - ADOPTION
      - BIRTH MODIFICATION
      - DEATH MODIFICATION
    description: |
       Type of registrations
  description:
    type: string
    description: Document name.
  descriptionLocale:
    type: string
    description: Document name in local Langauge.
  mandatory:
    type: boolean
    description: mandatory document or not
    default: false

 required:
  - registrationType
  - description

Addiction:
 type: object
```

```
   description: |
      Representation of different addiction types. In death case, data will be collected for each addiction types. This
will be used in reports to decide addiction details of death persons.
   properties:
    code:
      type: integer
      format: int64
      description: System generated code for the addiction
      readOnly: true
    addictionType:
      type: string
      enum:
        - SMOKE
        - TOBACCO
        - ALCOHOL
        - ARECANUT
      description: |
         Addiction types
    description:
      type: string
      description: Addiction description in detail.
    descriptionLocale:
      type: string
      description: Addiction description in detail in local Langauge.
   required:
    - addictionType
    - description


  BirthRegistrationRequest:
    type: object
    description: Contract class to send request. Array of Birth registration items are used in case of search results,
also multiple  Birth registration item is used for create and update.
    properties:
     RequestInfo:
      $ref: '#/definitions/RequestInfo'
     birthRegistrations:
      type: array
      minimum: 1
      maximum: 100
      items:
        $ref: '#/definitions/BirthRegistration'
 NameInclusionRequest:
   type: object
   description: Contract class to send request. Array of Name inclusion requests.
   properties:
    RequestInfo:
     $ref: '#/definitions/RequestInfo'
    nameInclusions:
```

```
      type: array
      minimum: 1
      maximum: 100
      items:
        $ref: '#/definitions/NameInclusion'
  NameInclusionResponse:
    type: object
    description: Contract class to send request. Array of Name inclusion requests.
    properties:
      RequestInfo:
        $ref: '#/definitions/RequestInfo'
      nameInclusions:
        type: array
        minimum: 1
        maximum: 100
        items:
          $ref: '#/definitions/NameInclusion'
  BirthRegistrationResponse:
    type: object
    description: Contract class to send response. Array of Birth registration items are used in case of search
results, also multiple  Birth registration item is used for create and update.
    properties:
      RequestInfo:
        $ref: '#/definitions/RequestInfo'
      birthRegistrations:
        type: array
        minimum: 1
        maximum: 100
        items:
          $ref: '#/definitions/BirthRegistrationResp'

  DeathRegistrationRequest:
    type: object
    description: Contract class to send request. Array of Death registration items are used in case of search
results, also multiple  Death registration item is used for create and update.
    properties:
      RequestInfo:
        $ref: '#/definitions/RequestInfo'
      deathRegistrations:
        type: array
        minimum: 1
        maximum: 100
        items:
          $ref: '#/definitions/DeathRegistration'

  DeathRegistrationResponse:
    type: object
    description: Contract class to send response. Array of Death registration items are used in case of search
```

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results, also multiple Death registration item is used for create and update.
    properties:
     RequestInfo:
      $ref: '#/definitions/RequestInfo'
     deathRegistrations:
      type: array
      minimum: 1
      maximum: 100
      items:
       $ref: '#/definitions/DeathRegistrationResp'

RequestInfo:
  type: object
  description: RequestInfo should be used to carry meta information about the requests to the server as described in the fields below. Some of this information will be returned back from the server as part of the ResponseInfo in the response body to ensure correlation.
    properties:
     ts:
      type: integer
      format: int64
      description: time in epoch
     ver:
      type: string
      description: API version - for HTTP based request this will be same as used in path
      maxLength: 32
     msgId:
      type: string
      description: Unique request message id from the caller
      maxLength: 256
     requesterId:
      type: string
      description: UserId of the user calling
      maxLength: 256
     apiId:
      type: string
      description: unique API ID
      maxLength: 128
     authToken:
      type: string
      description: //session/jwt/saml token/oauth token - the usual value that would go into HTTP bearer token
    required:
     - authToken
     - ts
     - apiId
     - ver
     - msgId

Error:

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type: object
description: Error object will be returned as a part of reponse body in conjunction with ResponseInfo as part of ErrorResponse whenever the request processing status in the ResponseInfo is FAILED. HTTP return in this scenario will usually be HTTP 400.
  properties:
   code:
    type: string
    description: Error Code will be module specific error label/code to identify the error. All modules should also publish the Error codes with their specific localized values in localization service to ensure clients can print local specific error messages. Example for error code would be User.NotFound to indicate User Not Found by User/Authentication service. All services must declare their possible Error Codes with brief description in the error response section of their API path.
   message:
    type: string
    description: English local message of the error code. Clients should make a separate call to get the other local description if configured with the service. Clients may choose to cache these local specific messages to enhance performance with a reasonable TTL (May be defined by the localization service based on city + module combination).
   description:
    type: string
    description: Optional long description of the error to help clients take remedial action. This will not be available as part of localization service.
   params:
    type: array
    description: Some error messages may carry replaceable fields (say $1, $2) to provide more context to the message. E.g. Format related errors may want to indicate the actual field for which the format is invalid. Client's should use the values in the param array to replace those fields.
    items:
     type: string
  required:
   - code
   - message

 ErrorRes:
  type: object
  description: All APIs will return ErrorRes in case of failure. Error object as actual representation of error. In case of bulk apis, some apis may chose to return the array of Error objects to indicate individual failure.
  properties:
   Errors:
    description: Error response array corresponding to Request Object array. In case of single object submission or _search related paths this may be an array of one error element
    type: array
    minLength: 1
    items:
     $ref: '#/definitions/Error'

parameters:
##

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#Parameter name must start with small case followed by camel case.
###
  requestInfo:
    name: requestInfo
    description: Parameter to carry Request metadata in the request body
    in: body
    required: false
    schema:
      $ref: '#/definitions/RequestInfo'

  pageSize:
    name: pageSize
    in: query
    description: Number of records returned.
    type: integer
    minimum: 0
    exclusiveMinimum: true
    maximum: 100
    exclusiveMaximum: false
    multipleOf: 10
    default: 20
  pageNumber:
    name: pageNumber
    in: query
    description: Page number
    type: integer
    default: 1
  sortProperty:
    name: sortBy
    in: query
    description: This takes any field from the Object seperated by comma and asc,desc keywords. example name asc,code desc or name,code or name,code desc
    type: string
    default: id

tags:
  - name: Birth Registration
    description: APIs required for Birth Registration,name inclusion and updation.
  - name: Death Registration
    description: APIs required for Death Registration.