

# Validačné pravidlá SHACL

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@prefix dash: <http://datashapes.org/dash#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix schema: <http://schema.org/> .
@prefix sh: <http://www.w3.org/ns/shacl#> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix pper: <https://data.gov.sk/def/ontology/physical-person/>

ppper:PhysicalPersonShape
  a sh:NodeShape ;
  sh:targetClass pper:PhysicalPerson ;
  sh:property [
    sh:path pper:alternativeName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:dateOfBirth ;
    sh:or ( [ sh:datatype xsd:dateTime ] [ sh:datatype xsd:date ] ) ;
    sh:lessThan pper:dateOfDeath ;
  ] ;
  sh:property [
    sh:path pper:dateOfDeath ;
    sh:or ( [ sh:datatype xsd:dateTime ] [ sh:datatype xsd:date ] ) ;
    sh:lessThan pper:dateOfBirth ;
  ] ;
  sh:property [
    sh:path pper:familyName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:formattedName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 1023 ;
  ] ;
  sh:property [
    sh:path pper:givenName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:legalName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 1023 ;
  ] ;
  sh:property [
    sh:path pper:otherName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:prefferedGivenName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:name ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
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    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:occupationName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] .

ppper:TravelDocumentShape
  a sh:NodeShape ;
  sh:targetClass pper:TravelDocument ;
  sh:property [
    sh:path pper:travelDocumentCode ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 20 ;
  ] .

ppper:BirthNumberShape
  a sh:NodeShape ;
  sh:targetClass pper:BirthNumber ;
  sh:property [
    sh:path pper:birthNumberCode ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 11 ;
    sh:pattern "[0-9]{6}/[0-9]{4}"
  ] .

ppper:IDCardShape
  a sh:NodeShape ;
  sh:targetClass pper:IDCard ;
  sh:property [
    sh:path pper:idCardCode ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 20 ;
  ] .

ppper:BirthShape
  a sh:NodeShape ;
  sh:targetClass pper:Birth ;
  sh:property [
    sh:path pper:givenFamilyName ;
    sh:datatype xsd:string ;
    sh:minLength 1 ;
    sh:maxLength 255 ;
  ] ;
  sh:property [
    sh:path pper:yearOfBirth ;
    sh:datatype xsd:gYear ;
    sh:minInclusive 1850 ;
    sh:maxInclusive 2100 ;
  ] ;
  sh:property [
    sh:path pper:yearOfDeath ;
    sh:datatype xsd:gYear ;
    sh:minInclusive 1850 ;
    sh:maxInclusive 2100 ;
    sh:lessThan pper:yearOfBirth ;
  ] ;
  sh:property [
    sh:path pper:yearMonthOfBirth ;
    sh:datatype xsd:gYearMonth ;
    sh:minInclusive 1 ;
    sh:maxInclusive 12 ;
  ] ;

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sh:property [  
  sh:path pper:yearMonthOfDeath ;  
  sh:datatype xsd:gYearMonth ;  
  sh:minInclusive 1 ;  
  sh:maxInclusive 12 ;  
    sh:lessThan pper:yearMonthOfBirth ;  
] .
```