Technical Design Description for

Schema Supporting 21-0781 and 21-0781a

(Story #12701)

# Overview

Statements to support claims for Post-Traumatic Stress Disorder (PTSD) are covered in VA Forms 21-0781 and 21-0781a. These forms contain numerous fields, some unique to the form and others common data already known by the VA. The schema defines the structure of the JSON data that shall the exchanged between the various components of Vets.gov. JSON Schema is a powerful tool not only for the exchange of data but for validating the structure of the data being exchanged. This schema covers only the unique fields of the 21-0781 and 21-0781a forms. Common data such as Identity and Contact Information is not covered in this schema.

# JSON Schema for 21-0781

form0781: {  
 type: 'object',  
 incident: {  
 type: 'array',  
 items: {  
 type: 'object',  
 properties: {  
 medalsCitations: {  
 type: 'string'  
 },  
 incidentDate: {  
 $ref: '#/definitions/date'  
 },  
 incidentLocation: {  
 type: 'string'  
 },  
 incidentDescription: {  
 type: 'string'  
 },  
 unitAssigned: {  
 type: 'string'  
 },  
 unitAssignedDates: {  
 $ref: '#/definitions/dateRange'  
 },  
 remarks: {  
 type: 'string'  
 },  
 personInvolved: {  
 type: 'array',  
 items: {  
 type: 'object',  
 name: {  
 $ref: '#/definitions/fullName'  
 },  
 rank: {  
 type: 'string'  
 },  
 injuryDeath: {  
 type: 'string',  
 'enum': ['Killed in Action', 'Killed Non-Battle', 'Wounded in Action', 'Injured Non-Battle', 'Other']  
 },  
 injuryDeathDate: {  
 $ref: '#/definitions/date'  
 },  
 unitAssigned: {  
 type: 'string'  
 }  
 }  
 }  
 }  
 }  
 }  
}

# JSON Schema for 21-0781a

form0781: {  
 type: 'object',  
 incident: {  
 type: 'array',  
 items: {  
 type: 'object',  
 properties: {  
 incidentDate: {  
 $ref: '#/definitions/date'  
 },  
 incidentLocation: {  
 type: 'string'  
 },  
 incidentDescription: {  
 type: 'string'  
 },  
 unitAssigned: {  
 type: 'string'  
 },  
 unitAssignedDates: {  
 $ref: '#/definitions/dateRange'  
 },  
 remarks: {  
 type: 'string'  
 },  
 source: {  
 type: 'array',  
 items: {  
 type: 'object',  
 name: {  
 $ref: '#/definitions/fullName'  
 },  
 address: {  
 $ref: '#/definitions/address'  
 }  
 }  
 }  
 }  
 }  
 }  
}

# Merged 21-0781/a Schema

Most of the fields required to support these two forms are the same or at least similar, therefore a strategy was taken to merge the two schemas into one schema that can support the data from both forms. The ‘personalAssault’ field has been added to differentiate between PTSD incidents that should be covered on a 21-0781, versus incidents that should be covered on the 21-0781a. If ‘personalAssault’ is true the fields support the 21-078a form. If false, the fields support the 21-0781. This field is highlighted below.

form0781: {  
 type: 'object',  
 incident: {  
 type: 'array',  
 items: {  
 type: 'object',  
 properties: {  
 personalAssault: {  
 type: 'boolean'  
 },  
 medalsCitations: {  
 type: 'string'  
 },  
 incidentDate: {  
 $ref: '#/definitions/date'  
 },  
 incidentLocation: {  
 type: 'string'  
 },  
 incidentDescription: {  
 type: 'string'  
 },  
 unitAssigned: {  
 type: 'string'  
 },  
 unitAssignedDates: {  
 $ref: '#/definitions/dateRange'  
 },  
 remarks: {  
 type: 'string'  
 },  
 personInvolved: {  
 type: 'array',  
 items: {  
 type: 'object',  
 name: {  
 $ref: '#/definitions/fullName'  
 },  
 rank: {  
 type: 'string'  
 },  
 injuryDeath: {  
 type: 'string',  
 'enum': ['Killed in Action', 'Killed Non-Battle', 'Wounded in Action', 'Injured Non-Battle', 'Other']  
 },  
 injuryDeathDate: {  
 $ref: '#/definitions/date'  
 },  
 unitAssigned: {  
 type: 'string'  
 }  
 }  
 },  
 source: {  
 type: 'array',  
 items: {  
 type: 'object',  
 name: {  
 $ref: '#/definitions/fullName'  
 },  
 address: {  
 $ref: '#/definitions/address'  
 }  
 }  
 }  
 }  
 }  
 }  
}