

CERS Schema Change Log Summary

Release 1.05 -> Release 1.06

Prepared by GTP April 16, 2026

This technical document summarizes changes in the CERS EDT Schemas since the previous 1.05 Release.

Release 1.06 affects the refactoring of the **Violation** element (**JSON Schema** only) from an incorrectly defined object to a properly structured **array**, enabling support for multiple violation records of the Violation Library Query (VLQ) EDT Service. This change will only affect the Violation Library Query (VLQ) EDT Service. This change is a general cleanup and modernization to align with current schema design best practices.

Please note that these changes will be taken into account as the change log request and will be implemented in the VLQ DEV, UAT ,TRAINING and Production endpoints as well. This change will not impact the remaining Services as they are just file name changes.

The affected schemas will be updated to schema package version 1.06 in the UAT, Training and Production Environments on 04/16/2026. The Output responses of VLQ must reflect the schema changes specified in 1.06 package.

All public information about CERS EDT is posted at <https://cers.calepa.ca.gov/EDT/> . Technical questions about EDT should be referred to the CERS Help Desk (cers@calepa.ca.gov).

Affected Schemas/Endpoints (Schema Changes)

Endpoint	Schemas Affected	Schema Package Version 1.05	Schema Package Version 1.06
Violation Library Query (VLQ)	ViolationLibraryQuery.json	09/30	04/16

Violation Library Query Schema Changes from Schema Package Version 1.05 that are included in the Schema Package Version 1.06

The following changes are included in the version 1.06 schema package release and were also implemented in the CERS EDT UAT, Training and Production Environments. This should be a non-impacting change to EDT users and should not require changes to external systems.

Refactoring of the Violation Element

In Schema Package Version 1.05, the property type of Violation Element was incorrectly defined as an object. This has been corrected to an array in the Schema Package Version 1.06.

Schema Package Version 1.05	Schema Package Version 1.06
<pre>"Violation": { "type": "object", "items": { "type": "object", "properties": { "BeginDate": { "type": "string", "format": "date" }, /BeginDate "EndDate": { "type": "string", "format": "date" }, /EndDate "TypeNumber": { </pre>	<pre>"\$defs": { "ViolationType": { "type": "array", "minItems": 0, "items": { "type": "object", "properties": { "BeginDate": { "type": "string", "format": "date" }, /BeginDate "EndDate": { "type": "string", "format": "date" }, /EndDate </pre>

Introduction of reusable schema components and Modification of validation rules

In Schema Package Version 1.05, the schema component of Violation Element was defined in-line. This has been updated in the Schema Package Version 1.06 with the help of reusable components using \$defs , \$ref, improving modularity and alignment to JSON Schema standards. Additionally, the validation rules of Violation collection, dataSetDateTime were incorrectly defined . This has been corrected in the Schema Package Version 1.06.

Schema Package Version 1.05	Schema Package Version 1.06
<pre>{ "\$schema": "https://json-schema.org/draft/2020-12/schema", "\$id": "TBD", "title": "Violations", "type": "object", "properties": { "Violations": { "type": "object", "properties": { "Violation": { "type": "object", "items": { "type": "object", "properties": { "BeginDate": { "type": "string", "format": "date" }, /BeginDate "EndDate": { "type": "string", "format": "date" }, /EndDate "TypeNumber": { "type": "string" } } } } } } } }</pre>	<pre>{ "\$schema": "https://json-schema.org/draft/2020-12/schema", "type": "object", "properties": { "Violations": { "type": "object", "properties": { "dataSetDateTime": { "type": "string", "format": "date-time" }, /dataSetDateTime "Violation": {"\$ref": "#/\$defs/ViolationType"} }, /properties }, /Violations }, /properties "\$defs": { "ViolationType": { "type": "array", "minItems": 0, "items": { "type": "object", "properties": { "BeginDate": { "type": "string", "format": "date" }, /BeginDate "EndDate": { "type": "string", "format": "date" }, /EndDate "TypeNumber": { "type": "string" } } } } } }</pre>

```

{
  "$schema": "https://json-schema.org/draft/2020-12/schema",
  "$id": "TBD",
  "title": "Violations",
  "type": "object",
  "properties": {
    "Violations": {
      "type": "object",
      "properties": {
        "Violation": {
          "type": "object",
          "items": {
            "type": "object",
            "properties": { [27 lines]
            "required": [ [9 lines]
          } /items
        }, /Violation
      "dataSetDateTime": {
        "type": "string",
        "format": "date-time"
      }, /dataSetDateTime
    }, /properties
    "required": ["Violation"]
  }, /Violations
}, /properties
"required": ["Violations"]
}

```

```

{
  "$schema": "https://json-schema.org/draft/2020-12/schema",
  "type": "object",
  "properties": {
    "Violations": {
      "type": "object",
      "properties": {
        "dataSetDateTime": {
          "type": "string",
          "format": "date-time"
        }, /dataSetDateTime
        "Violation": {"$ref" : "#/$defs/ViolationType"}
      }, /properties
    "required": ["dataSetDateTime"]
  }, /Violations
}, /properties

```