National Heavy Vehicle Regulator

Electronic Work Diary (EWD)

Standards – Schedule A

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Document contact

All queries regarding this document should be directed to:

Name	Andreas Blahous	Title	Fatigue Specialist
Phone	07 3309 8541	Unit	Fatigue Management

Revision history

Version	Release date	Effective Date	Modified by	Comment
1.0	May 2018	28 May 2018		Released
1.1	November 2018	29 November 2018	Zack Kennie	Schema Update
1.2	October 2021	18 October 2021	Jackie Anderson	Review in line with Device Agnostic Policy
2.0	November 2021	8 November 2021	Mick Fyfe	Formatting / Final adjustments
2.1	November 2022	3 November 2022	Wayne Whitmore	Provider ID & Capitalisation rectifications
2.2	November 2022	11 November 2022	Wayne Whitmore	Capitalisation set to November 2021 Version
		Last Review Date		November 2022
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This document is effective from the date indicated and remains current until reissued with an effective date beyond the date given here.

Contents

1. General Information

The *Electronic Work Diary Policy Framework* establishes the NHVR's approach to administering the Electronic Work Diary (EWD) provisions in the Heavy Vehicle National Law (HVNL).

The framework consists of the following documents which are designed to be read in conjunction with each other:

- EWD Policy Framework

- EWD Privacy Policy

- EWD Compliance Policy

- EWD Standards (inclusive of the EWD Standards – Schedule A (this document))

To access the full suite of documents, visit www.nhvr.gov.au/EWD.

2. Two-up driver declaration

The following statement shall be accepted by the two-up driver where *driver name* is automatically filled by the EWD, or entered by the driver.

> *I _____(driver name) confirm that I am engaged in a two-up driver arrangement.*
>
> *By submitting this confirmation you are declaring that:*
>
> - *The two-up driver identification details are not false or misleading.*
>
> *If the identification details are not correct, correct these details prior to submitting this confirmation.*
>
> *A statement that is false or misleading may be used in legal proceedings for an offence against the Heavy Vehicle National Law, or another law of a State or the Commonwealth of Australia.*
>
> *Making a false or misleading entry in an electronic work diary is an offence punishable by a fine of over $10,000.*

3. Driver confirmation declaration statement

The EWD shall request the driver to confirm the records with the following statement.

> *You are about to submit your work and rest record for the day. Once you have submitted it, it cannot be corrected.*
>
> *By submitting your work and rest record, you are declaring that the entries:*
>
> - *were made by you personally*
> - *are not false or misleading*
>
> *Confirm that the information in the work and rest record is correct, [OR], if you are not sure that the information in the work and rest record is correct, correct it now prior to submitting your work and rest record.*
>
> *Entries may be used in legal proceedings for an offence against the Heavy Vehicle National Law Act 2012, or another law of a State or the Commonwealth of Australia.*
>
> *Making a false or misleading entry in an electronic work diary is an offence punishable by a fine of over $10,000.*

4. Summary of work diary objects

The data transfer format is based on a set of defined JSON objects.

The following objects shall be used:

(a) *AuthorisedOfficerAnnotation* – as the information required when an authorised officer annotation is made on the work diary

(b) *Comment* – as the information required when a driver comment is made

(c) *DriverData* – as the driver's identifying information stored in the system

(d) *NumberPlateEvent* – as a record of number plate changes

(e) *Twoupevent* – as a record of changes in a two-up driving arrangement

(f) *WorkRestEvent* – as a record of work and rest activity events

(g) *WorkRestOptionEvent* – as a record of changes in the work and rest hours option in use by the driver

5. Schema for data transfer

Technology providers shall transfer data using the following format:

```
{
  "$schema":"http://json-schema.org/draft-06/schema#",
  "additionalProperties":false,
  "definitions":{
    "authorisedOfficerAnnotation":{
      "description":"This is where the annotations of an authorised officer are stored.",
      "properties":{
      "Annotation":{
          "type":"string"
        },
        "flaggedTime":{
          "$ref":"#/definitions/timestamp",
          "description":"A time reference of interest for the annotation."
        },
        "interceptTime":{
          "$ref":"#/definitions/timestamp",
          "description":"The time when the truck was intercepted."
        },
        "location":{
          "$ref":"#/definitions/location"
        },
        "timestamp":{
          "$ref":"#/definitions/timestamp",
          "description":"The system timestamp when this entry was made."
        }
      }
    },
    "comment":{
      "description":"A driver comment event.",
```

```
      "properties":{
        "comment":{
          "type":"string"
        },
        "timestamp":{
          "$ref":"#/definitions/timestamp",
          "type":"object"
        }
      },
      "type":"object"
    },
    "driverData":{
      "description":"A representation of driver.",
      "properties":{
        "driverId":{
          "description":"The Unique Driver Identifier",
          "type":"string"
        },
        "driverLicenceIssued":{
          "$ref":"#/definitions/stateSelector"
        },
        "driverLicenceNumber":{
          "description":"The driver licence number.",
          "type":"string"
        },
        "driverName":{
          "description":"The name as it appears on the driver licence.",
          "type":"string"
        }
      },
      "type":"object"
    },
    "location":{
      "properties":{
        "latitude":{
          "type":"number"
        },
        "longitude":{
          "type":"number"
        },
        "name":{
          "type":"string"
        }
      },
      "type":"object"
    },
    "numberPlateEvent":{
      "description":"A numberplate change event.",
      "properties":{
        "newNumberPlate":{
          "description":"The vehicle number plate as a string.",
          "type":"string"
        },
```

```
            "timestamp":{
              "$ref":"#/definitions/timestamp",
              "type":"object"
            }
          },
          "type":"object"
        },
        "stateSelector":{
          "description":"A collection of states/territories.",
          "enum":[
            "ACT",
            "NSW",
            "NT",
            "QLD",
            "SA",
            "TAS",
            "VIC",
            "WA",
            "OTH"
          ],
          "type":"string"
        },
        "timestamp":{
          "description":"A ISO8601 formatted timestamp.",
          "pattern":"^(\\d{4})-(\\d{2})-(\\d{2})T(\\d{2})\\:(\\d{2})\\:(\\d{2})[+-](\\d{2})\\:(\\d{2})$",
          "type":"string"
        },
        "twoUpEvent":{
          "description":"A representation of two up change event.",
          "properties":{
            "eventType":{
              "enum":[
                "twoUpStart",
                "twoUpStop"
              ]
            },
            "timestamp":{
              "$ref":"#/definitions/timestamp",
              "type":"object"
            },
            "twoUpDriver":{
              "allOf":[
                {
                  "$ref":"#/definitions/driverData"
                },
                {
                  "properties":{
                    "workRestOption":{
                      "description":"Work and rest hours option of a two up driver.",
                      "enum":[
                        "Standard",
                        "BFM",
                        "AFM",
```

```
              "Exemption"
            ],
            "type":"string"
          }
        }
      }
    ],
    "description":"The details of the two up driver are only relevant for a twoUpStart event.",
    "type":"object"
  },
  "twoUpDriverId":{
    "type":"string"
  }
},
"type":"object"
},
"workRestEvent":{
  "description":"A representation of an update to work rest details.",
  "properties":{
    "eventType":{
      "enum":[
        "Work",
        "Rest"
      ]
    },
    "historicData":{
      "default":false,
      "description":"True if this is an entry made from historic paper data.",
      "type":"boolean"
    },
    "location":{
      "$ref":"#/definitions/location"
    },
    "odometer":{
      "minimum":0,
      "multipleOf":1.0,
      "type":"number"
    },
    "startTime":{
      "$ref":"#/definitions/timestamp",
      "description":"The time reference for the commencement of work or rest."
    },
    "timestamp":{
      "$ref":"#/definitions/timestamp",
      "type":"object"
    }
  },
  "type":"object"
},
"workRestOptionEvent":{
  "description":"A work and rest hours option change event.",
  "properties":{
    "afmAccreditationNumber":{
```

```json
        "description":"If the workRestOption is AFM this must be set.",
        "type":"string"
      },
     "timestamp":{
       "$ref":"#/definitions/timestamp",
       "type":"object"
     },
     "workRestOption":{
       "description":"Work and rest hours option of a driver.",
       "enum":[
         "Standard",
         "StandardBus",
         "BFM",
         "AFM",
         "Exemption"
       ],
       "type":"string"
     }
   },
   "type":"object"
 }
},
"description":"Definition of a workdiary.",
"id":"ewd.json",
"properties":{
  "technologyProviderId":{
       "description":"Technology provider providing the records with the Technology Provider Id being the
approval holder name as registered with NHVR.",
       "type":"string"
  },
  "authorisedOfficerAnnotations":{
    "items":[
      {
        "$ref":"#/definitions/authorisedOfficerAnnotation",
        "type":"object"
      }
    ],
    "type":"array"
  },
  "comments":{
    "items":[
      {
        "$ref":"#/definitions/comment",
        "type":"object"
      }
    ],
    "type":"array"
  },
  "driverInfo":{
    "$ref":"#/definitions/driverData",
    "type":"object"
  },
  "numberPlateEvents":{
```

```
    "items":[
      {
        "$ref":"#/definitions/numberPlateEvent",
        "type":"object"
      }
    ],
    "type":"array"
  },
  "twoUpEvents":{
    "items":[
      {
        "$ref":"#/definitions/twoUpEvent",
        "type":"object"
      }
    ],
    "type":"array"
  },
  "workRestEvents":{
    "items":[
      {
        "$ref":"#/definitions/workRestEvent",
        "type":"object"
      }
    ],
    "type":"array"
  },
  "workRestOptionEvents":{
    "items":[
      {
        "$ref":"#/definitions/workRestOptionEvent",
        "type":"object"
      }
    ],
    "type":"array"
  }
},
"type":"object",
"version":"0.3.2"
}
```