

**Reconstruction****Case Number:** \_\_\_\_\_**Overview**Case Status

- Case Dismissed
- On-Scene Investigation completed
- Vehicle Investigation completed
- Accident Sketch available
- Driver Interview available

Reconstruction

- Momentum based reconstruction
  - PC Crash
  - Hand Calculation
  - other: \_\_\_\_\_
- Damage based reconstruction
  - AI Damage
  - EES Catalog
  - other: \_\_\_\_\_
- No reconstruction possible, because
  - no Scene Measurements available
  - no Scene Sketch available
  - no Vehicle measurements available
  - other: \_\_\_\_\_

Reconstruction conducted by: \_\_\_\_\_Date: \_\_\_\_\_Accident Participants

- number of passenger cars
- number of trucks
- number of motorcycles
- number of bicycles
- number of pedestrians

## Accident Sequence

Vehicle Number: \_\_\_\_\_

Vehicle Description: \_\_\_\_\_

Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____
Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____
Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____
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Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____
Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____
Event Nr _____	Event Type: _____	Imp. Nr _____	Roll Nr _____	AccE Nr. _____

Additional Information:    vehicle typ: \_\_\_\_\_

engine: \_\_\_\_\_

weight: \_\_\_\_\_

length: \_\_\_\_\_

Event Types:

- |  |                                    |
|--|------------------------------------|
| 1 - skidding initiation                | 11 - entering POV's lane of travel |
| 2 - jack-knife initiation              | 12 - back to road                  |
| 3 - run of road to the right           | 13 - steer reaction initiation     |
| 4 - run of road to the left            | 14 - brake reaction initiation     |
| 5 - cross lane marking right           | 15 - normal brake initiation       |
| 6 - cross lane marking left            | 16 - technical issue initiation    |
| 7 - cross median line                  | 17 - rollover initiation           |
| 8 - turn indicator onset from EDR      | 18 - contact                       |
| 9 - crosses stop line / yield markings | 19 - impact                        |
| 10 - left/right turn initiation        | 20 - other                         |

### Vehicle Impact

**Vehicle Number:** \_\_\_\_\_ **Vehicle Description:** \_\_\_\_\_

**Impact Number:** \_\_\_\_\_ **Collision Partner Nr:** \_\_\_\_\_

**Coll. Part. Ev. Nr.:** \_\_\_\_\_ **Imp. Severity Order:** \_\_\_\_\_

Impact within Rollover: \_\_\_\_\_ Steering: \_\_\_\_\_ Brake Dist.: \_\_\_\_\_

Overlap: \_\_\_\_\_ Mean Acc.: \_\_\_\_\_ Mean Acc.: \_\_\_\_\_  
before after

CDC1,2 \_\_\_\_\_ CDC3 \_\_\_\_\_ CDC4/e \_\_\_\_\_ CDC5 \_\_\_\_\_ CDC6 \_\_\_\_\_ CDC7 \_\_\_\_\_

Defomation Length: \_\_\_\_\_ Dist. COG x : \_\_\_\_\_ Dist. CoG y: \_\_\_\_\_

Max. Deform.: \_\_\_\_\_ Epsilon: \_\_\_\_\_ Vehicle Stiff.: \_\_\_\_\_

C1 \_\_\_\_\_ C2 \_\_\_\_\_ C3 \_\_\_\_\_ C4 \_\_\_\_\_ C5 \_\_\_\_\_ C6 \_\_\_\_\_

Energy Absor.: \_\_\_\_\_

Initial Speed: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

Coll. Speed: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

Run Out Speed: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

Delta Omega: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

EES: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

Delta V: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

DV longitud.: \_\_\_\_\_ DV lateral: \_\_\_\_\_

PDOF: \_\_\_\_\_ PDOF Source: \_\_\_\_\_

Appr. Angle: \_\_\_\_\_ Coll. Angle: \_\_\_\_\_ Slip Angle \_\_\_\_\_

Add. Info: \_\_\_\_\_

### Vehicle Rollover

**Vehicle Number:** \_\_\_\_\_ **Vehicle Description:** \_\_\_\_\_

**Rollover Number:** \_\_\_\_\_ **Event Nr:** \_\_\_\_\_

Impact during Rollover: \_\_\_\_\_ Init. Rollover Direction: \_\_\_\_\_

Initiation of Rollover: \_\_\_\_\_

Rollover Causing Event: \_\_\_\_\_

Number of lateral Rolls: \_\_\_\_\_

Number of longitudinal Rolls: \_\_\_\_\_

- Rollover Type
- trip-over (immediately stuck, e.g. curb, pothole)
  - flip-over (contact to ramp-like object)
  - fall-over (CoG out of wheels, e.g. slope)
  - bounce-over (rebound a fixed object)
  - climb-over (climbs up and over fixed object)
  - turn-over (centrifugal forces, e.g. turning)
  - collision with other vehicle

Additional Info: \_\_\_\_\_

### Pedestrian Impact

**Element Number:** \_\_\_\_\_ **Element Description:** \_\_\_\_\_

**Impact Number:** \_\_\_\_\_ **Collision Partner Nr:** \_\_\_\_\_

**Coll. Part. Ev. Nr.:** \_\_\_\_\_ **Imp. Severity Order:** \_\_\_\_\_

Pedestrian Throw Distance: \_\_\_\_\_

Pedestr. Speed: \_\_\_\_\_ Tolerance Range: \_\_\_\_\_ Source: \_\_\_\_\_

PDOF: \_\_\_\_\_ PDOF Source: \_\_\_\_\_

Approach direction of Pedestrian to vehicle (o'clock): \_\_\_\_\_

Add. Info: \_\_\_\_\_

## Pedestrian Contacts

**Element Number:** \_\_\_\_\_ **Element Description:** \_\_\_\_\_

**Impact Number:** \_\_\_\_\_ **Contact Nr:** \_\_\_\_\_

x-Measurement: \_\_\_\_\_ y-Measurement: \_\_\_\_\_ y-Measurement: \_\_\_\_\_

Wrap Around Distance: \_\_\_\_\_

**Vehicle Contact Part:**

- Front bumper
- Bonnet leading edge
- Headlamp
- Fender front
- Hood
- Fender top
- Fender left side
- Fender right side
- Windscreen lower frame
- Windscreen
- A-Pillar left
- A-Pillar right
- Windscreen upper frame
- Roof
- Front door left
- Front door right
- Rear door left
- Rear door right
- Body side left
- Body side right
- Tailgate
- Rear bonnet edge
- Rear bumper

**Pedestrian Body Part**

- Head and face
- Neck
- Shoulder
- Upper arm
- Elbow
- Lower arm
- Hand and wrist
- Thorax
- Abdomen
- Pelvis
- Upper leg
- Knee
- Lower leg
- Foot and ankle

Add. Info: \_\_\_\_\_