

Road vehicles — Multimedia data exchange format for impact tests

Véhicules routiers — Format d'échange de données multimédia pour les essais de choc

Related electronic document D

NHTSA Compatibility

— Version 1.2 —

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RED D : NHTSA Compatibility

D.1 File Organization

The information is stored in several different types of files, written to the NHTSA subdirectory of the test root directory.

- one 'test information file' for the whole test (**see D.1.1**)
- one 'vehicle information file' describing the vehicle(s) and/or moving barriers used in the test (**see D.1.2**)
- one optional 'barrier information file' describing any fixed barrier used in the test (**see D.1.3**)
- one optional 'occupant information file' describing any occupants used in the test (**see D.1.4**)
- one optional 'restraints information file' describing the restraints used in the test (**see D.1.5**)
- examples of NHTSA compatibility files generated for a New Car Assessment Program test (**see D.1.6**)

Each line begins with a description field with maximum 28 characters. Position 29 may be a colon. The test information shall start at position 30. 'TAB's' are not allowed. For description fields it is not required to be case-sensitive.

Comment lines may be used at any line and shall be marked by the descriptor 'Comments'. Each following line of a comment shall also begin with the descriptor 'Comments'. Comment lines should not contain information readable for computer programs.

D.1.1 NHTSA Test Information Addendum Descriptor File

This file contains additional information concerning the test set up and/or conditions required to make the ISO-MME impact test dataset transportable into the NHTSA EV5 data exchange format. Refer to the NHTSA Test Reference Guide (NHTSA TRG), Volume 1, Vehicle Tests, General Test information section, Version 5 (NTRGV1.PDF -- referred to as TRG in the "Remarks" column) for extended field definitions and codes. This document is available on the NHTSA web site at

<http://www-nrd.nhtsa.dot.gov/software/test-reference-guides/test-reference-guides.html>

File Name: 'testnumber'.TST

Location: NHTSA subdirectory

Contents:

| Field descriptor: | Optional: | Test Result | | Remark: |
|-----------------------------|-----------|-------------|--------------|---------------------------------|
| | | Attribute: | Data format: | |
| Laboratory test ref. Number | | | alphanumeric | see "Test Descriptor File" |
| Test Type | O | | alphanumeric | coded field, see TRG |
| Test Configuration | | | alphanumeric | coded field, see TRG |
| Track Surface | O | | alphanumeric | coded field, see TRG |
| Track Condition | O | | alphanumeric | coded field, see TRG |
| Closing Speed | | R | float | m/s, see TRG |
| Impact Angle (clockwise) | | | integer | 0 to 359 degrees, see TRG |
| Offset | O | | float | meters, see TRG |
| Side Impact Point | O | | float | meters, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

D.1.2 NHTSA Vehicle Information Addendum Descriptor File

This file contains additional specification information on the test vehicle(s) and/or moving impactor(s) required to make the ISO-MME impact test dataset transportable into the NHTSA EV5 data exchange format. Refer to the NHTSA Test Reference Guide, (NHTSA TRG), Volume 1, Vehicle Tests, Vehicle Information section, Version 5 (NTRGV1.PDF -- referred to as TRG in the "Remarks" column) for extended field definitions and codes. This document is available on the NHTSA web site at

<http://www-nrd.nhtsa.dot.gov/software/test-reference-guides/test-reference-guides.html>

File Name: 'testnumber'.VEH

Location: NHTSA subdirectory

Contents:

| Field descriptor: | Optional: | Test Result Attribute: | Data format: | Remark: |
|------------------------------|-----------|------------------------|--------------|--------------------------------|
| Vehicle Number 1 | | | | 1 or M see RED B 'Test Object' |
| Vehicle Make 1 | | | alphanumeric | free text |
| Vehicle Model 1 | | | alphanumeric | free text |
| Vehicle Year 1 | | | integer | 4 digit year |
| Body Type 1 | | | alphanumeric | coded |
| VIN 1 | | | alphanumeric | free text |
| Engine Type 1 | O | | alphanumeric | coded field, see TRG |
| Engine Size 1 | O | | float | liters |
| Transmission Type 1 | O | | alphanumeric | coded field, see TRG |
| Vehicle Test Weight 1 | | | integer | kgs, see TRG |
| Wheel Base 1 | | | float | meters, see TRG |
| Vehicle Length 1 | | | float | meters, see TRG |
| Vehicle Width 1 | | | float | meters, see TRG |
| Vehicle Center of Gravity 1 | | | float | meters, see TRG |
| Steering Column Separation 1 | O | | alphanumeric | coded field, see TRG |
| Column Collapse Mechanism 1 | O | | alphanumeric | coded field, see TRG |
| Vehicle Modifications 1 | O | | alphanumeric | 50 characters maximum |
| Vehicle Speed 1 | | R | float | m/s, see TRG |
| Crab Angle 1 | | | integer | degrees, see TRG |
| Principal Dir of Force 1 | O | | integer | degrees, see TRG |
| Bumper Engagement 1 | O | R | alphanumeric | coded field, see TRG |
| Sill Engagement 1 | O | R | alphanumeric | coded field, see TRG |
| A-Pillar Engagement 1 | O | R | alphanumeric | coded field, see TRG |
| Damage Profile Distance 1-1 | O | R | float | meters, see TRG |
| Damage Profile Distance 2-1 | O | R | float | meters, see TRG |
| Damage Profile Distance 3-1 | O | R | float | meters, see TRG |
| Damage Profile Distance 4-1 | O | R | float | meters, see TRG |
| Damage Profile Distance 5-1 | O | R | float | meters, see TRG |
| Damage Profile Distance 6-1 | O | R | float | meters, see TRG |
| Vehicle Damage Index 1 | O | R | alphanumeric | coded field, see TRG |

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| | | | | |
|-----------------------------|---|---|--------------|---------------------------------|
| Total Length Indentation 1 | O | R | float | meters, see TRG |
| Center Damaged Area to CG 1 | O | R | float | meters, see TRG |
| Maximum Crush Distance 1 | O | R | float | meters, see TRG |
| Angle of Moving Cart 1 | O | | integer | degrees, see TRG |
| Veh Orientation on Cart 1 | O | | integer | degrees, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

The following block describes test object 2, i.e., vehicle or moving impactor 2

| | | | | |
|------------------------------|---|---|--------------|-----------------------------|
| Vehicle Number 2 | | | integer | 2, see RED B, 'Test Object' |
| Vehicle Make 2 | | | alphanumeric | free text |
| Vehicle Model 2 | | | alphanumeric | free text |
| Vehicle Year 2 | | | integer | 4 digit year |
| Body Type 2 | O | | alphanumeric | coded |
| VIN 2 | | | alphanumeric | free text |
| Engine Type 2 | O | | alphanumeric | coded field, see TRG |
| Engine Size 2 | O | | float | liters |
| Transmission Type 2 | O | | alphanumeric | coded field, see TRG |
| Vehicle Test Weight 2 | | | integer | kgs, see TRG |
| Wheel Base 2 | | | float | meters, see TRG |
| Vehicle Length 2 | | | float | meters, see TRG |
| Vehicle Width 2 | | | float | meters, see TRG |
| Vehicle Center of Gravity 2 | | | float | meters, see TRG |
| Steering Column Separation 2 | O | | alphanumeric | coded field, see TRG |
| Column Collapse Mechanism 2 | O | | alphanumeric | coded field, see TRG |
| Vehicle Modifications 2 | O | | alphanumeric | 50 characters maximum |
| Vehicle Speed 2 | | R | float | m/s, see TRG |
| Crab Angle 2 | | | integer | degrees, see TRG |
| Principal Dir of Force 2 | O | | integer | degrees, see TRG |
| Bumper Engagement 2 | O | R | alphanumeric | coded field, see TRG |
| Sill Engagement 2 | O | R | alphanumeric | coded field, see TRG |
| A-Pillar Engagement 2 | O | R | alphanumeric | coded field, see TRG |
| Damage Profile Distance 1-2 | O | R | float | meters, see TRG |
| Damage Profile Distance 2-2 | O | R | float | meters, see TRG |
| Damage Profile Distance 3-2 | O | R | float | meters, see TRG |
| Damage Profile Distance 4-2 | O | R | float | meters, see TRG |
| Damage Profile Distance 5-2 | O | R | float | meters, see TRG |
| Damage Profile Distance 6-2 | O | R | float | meters, see TRG |
| Vehicle Damage Index 2 | O | R | alphanumeric | coded field, see TRG |
| Total Length Indentation 2 | O | R | float | meters, see TRG |
| Center Damaged Area to CG 2 | O | R | float | meters, see TRG |

| | | | | |
|---------------------------|---|---|--------------|---------------------------------|
| Maximum Crush Distance 2 | O | R | float | meters, see TRG |
| Angle of Moving Cart 2 | O | | integer | degrees, see TRG |
| Veh Orientation on Cart 2 | O | | integer | degrees, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

D.1.3 NHTSA Barrier Information Addendum Descriptor File

This file contains additional information concerning any fixed barrier struck in a vehicle impact test required to make the ISO-MME impact test dataset transportable into the NHTSA EV5 data exchange format. Refer to the NHTSA Test Reference Guide (NHTSA TRG), Volume 1, Vehicle Tests, Barrier Information, Version 5 for extended field definitions and codes. This document is available on the NHTSA web site at

<http://www-nrd.nhtsa.dot.gov/software/test-reference-guides/test-reference-guides.html>

File Name: 'testnumber'.BAR

Location: NHTSA subdirectory

Contents:

| Field descriptor: | Optional: | Test Result Attribute: | Data format: | Remark: |
|-----------------------------|-----------|------------------------|--------------|---------------------------------|
| Barrier | | | B, K, or P | see RED B 'Test Object' |
| Barrier Shape | O | | alphanumeric | coded field, see TRG |
| Rigid or Deformable Barrier | O | | alphanumeric | coded field, see TRG |
| Angle of Fixed Barrier | O | | integer | degrees, see TRG |
| Diameter of Pole Barrier | O | | float | meters, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

D.1.4 NHTSA Occupant Information Addendum Descriptor File

This file contains additional test specification data required to make the ISO-MME impact test dataset transportable into the NHTSA EV5 data exchange format. Refer to the NHTSA Test Reference Guide (NHTSA TRG), Volume 1, Vehicle Tests, Occupant Information section, Version 5 for extended field definitions and codes. This document is available on the NHTSA web site at

<http://www-nrd.nhtsa.dot.gov/software/test-reference-guides/test-reference-guides.html>

File Name: 'testnumber'.OCC

Location: NHTSA subdirectory

Contents:

| Field descriptor: | Optional: | Test Result Attribute: | Data format: | Remark: |
|------------------------------|-----------|------------------------|--------------|--------------------------------|
| Vehicle Reference Number 1 | | | integer | 1 or 2 see RED B 'Test Object' |
| Occupant Seat Position 1 | | | alphanumeric | see RED B 'Seat Position' |
| Fine Location 3/Dummy Type 1 | | | alphanumeric | see RED B 'Fine Location 3' |
| Dummy Manufacturer/Ser No 1 | O | | alphanumeric | 50 characters maximum |
| Dummy Modifications 1 | O | | alphanumeric | 50 characters maximum |

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| | | | | |
|------------------------------|---|---|--------------|---------------------------------|
| Head to Windshield Header 1 | O | | float | meters, see TRG |
| Head to Windshield 1 | O | | float | meters, see TRG |
| Head to Side Header 1 | O | | float | meters, see TRG |
| Head to Side Window 1 | O | | float | meters, see TRG |
| Chest to Dash 1 | O | | float | meters, see TRG |
| Chest to Steering Wheel 1 | O | | float | meters, see TRG |
| Arm to Door 1 | O | | float | meters, see TRG |
| Hip to Door 1 | O | | float | meters, see TRG |
| Knees to Dash 1 | O | | float | meters, see TRG |
| Head to Seatback 1 | O | | float | meters, see TRG |
| Neck to Seatback 1 | O | | float | meters, see TRG |
| Chest to Seatback 1 | O | | float | meters, see TRG |
| Knee to Seatback 1 | O | | float | meters, see TRG |
| Seat Track Position 1 | | | alphanumeric | coded field, see TRG |
| 1st Contact for Head 1 | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Head 1 | O | R | alphanumeric | coded field, see TRG |
| 1st Contact for Chest/Abdo 1 | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Chest/Abdo 1 | O | R | alphanumeric | coded field, see TRG |
| 1st Contact for Legs 1 | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Legs 1 | O | R | alphanumeric | coded field, see TRG |
| Head Injury Criterion HIC 1 | O | R | integer | nondimensional |
| Lo HIC Time Interval 1 | O | R | float | seconds |
| Up HIC Time Interval 1 | O | R | float | seconds |
| Thorax Peak Accel (CLIP3M) 1 | O | R | float | m/sec ² |
| L Femur Peak Load 1 | O | R | float | Newtons |
| R Femur Peak Load 1 | O | R | float | Newtons |
| Chest Severity Index 1 | O | R | integer | nondimensional |
| Lap Belt Peak Load 1 | O | R | integer | Newtons |
| Shoulder Belt Peak Load 1 | O | R | integer | Newtons |
| Thoracic Trauma Index 1 | O | R | float | nondimensional |
| Pelvic Acceleration 1 | O | R | float | m/sec ² |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |
| | | | | |

Comment – The following block describes test occupant m (last vehicle occupant)

| | | | |
|------------------------------|---|--------------|---------------------------------|
| Vehicle Reference Number m | | alphanumeric | 1 or 2, see RED B 'Test Object' |
| Occupant Seat Position m | | alphanumeric | see RED B 'Seat Position' |
| Fine Location 3/Dummy Type m | | alphanumeric | see RED B 'Fine Location 3' |
| Dummy Manufacturer/Ser No m | O | alphanumeric | 50 characters maximum |
| Dummy Modifications m | O | alphanumeric | 50 characters maximum |

| | | | | |
|------------------------------|---|---|--------------|---------------------------------|
| Head to Windshield Header m | O | | float | meters, see TRG |
| Head to Windshield m | O | | float | meters, see TRG |
| Head to Side Header m | O | | float | meters, see TRG |
| Head to Side Window m | O | | float | meters, see TRG |
| Chest to Dash m | O | | float | meters, see TRG |
| Chest to Steering Wheel m | O | | float | meters, see TRG |
| Arm to Door m | O | | float | meters, see TRG |
| Hip to Door m | O | | float | meters, see TRG |
| Knees to Dash m | O | | float | meters, see TRG |
| Head to Seatback m | O | | float | meters, see TRG |
| Neck to Seatback m | O | | float | meters, see TRG |
| Chest to Seatback m | O | | float | meters, see TRG |
| Knee to Seatback m | O | | float | meters, see TRG |
| Seat Track Position m | | | alphanumeric | coded field, see TRG |
| 1st Contact for Head m | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Head m | O | R | alphanumeric | coded field, see TRG |
| 1st Contact for Chest/Abdo m | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Chest/Abdo m | O | R | alphanumeric | coded field, see TRG |
| 1st Contact for Legs m | O | R | alphanumeric | coded field, see TRG |
| 2nd Contact for Legs m | O | R | alphanumeric | coded field, see TRG |
| Head Injury Criterion HIC m | O | R | integer | nondimensional |
| Lo HIC Time Interval m | O | R | float | seconds |
| Up HIC Time Interval m | O | R | float | seconds |
| Thorax Peak Accel (CLIP3M) m | O | R | float | m/sec ² |
| L Femur Peak Load m | O | R | float | Newtons |
| R Femur Peak Load m | O | R | float | Newtons |
| Chest Severity Index m | O | R | integer | nondimensional |
| Lap Belt Peak Load m | O | R | integer | Newtons |
| Shoulder Belt Peak Load m | O | R | integer | Newtons |
| Thoracic Trauma Index m | O | R | float | nondimensional |
| Pelvic Acceleration m | O | R | float | m/sec ² |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

D.1.5 NHTSA Occupant Restraint Information Addendum Descriptor File

This file contains additional information concerning the restraints used for each occupant in a given impact test required to make the ISO-MME impact test dataset transportable into the NHTSA EV5 data exchange format. Refer to the NHTSA Test Reference Guide (NHTSA TRG), Volume 1, Vehicle Tests, Restraint Information section, Version 5 for extended field definitions and codes. This document is available on the NHTSA web site at

<http://www-nrd.nhtsa.dot.gov/software/test-reference-guides/test-reference-guides.html>

File Name: 'testnumber'.RST
Location: NHTSA subdirectory
Contents:

| Field descriptor: | Optional: | Test Result Attribute: | Data format: | Remark: |
|----------------------------|-----------|------------------------|--------------|---------------------------------|
| Vehicle Reference Number 1 | | | integer | 1 or 2, see TRG |
| Occupant Seat Position 1 | | | alphanumeric | see RED B 'Seat Position' |
| Restraint Mount 1 | O | | alphanumeric | coded field, see TRG |
| Restraint Type 1 | | | alphanumeric | coded field, see TRG |
| Restraint Deployed 1 | O | R | alphanumeric | coded field, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

.....

Comment – The following block describes occupant restraint m (last occupant's last restraint)

| | | | | |
|----------------------------|---|---|--------------|---------------------------------|
| Vehicle Reference Number m | | | integer | 1 or 2, see TRG |
| Occupant Seat Position m | | | alphanumeric | see RED B 'Seat Position' |
| Restraint Mount m | O | | alphanumeric | coded field, see TRG |
| Restraint Type m | | | alphanumeric | coded field, see TRG |
| Restraint Deployed m | O | R | alphanumeric | coded field, see TRG |
| Comments | O | | alphanumeric | multiple lines, 70 char maximum |

D.1.6 Examples of NHTSA Addendum Descriptor Files

D.1.6.1 Example of NHTSA Test Information Addendum Descriptor File

```

Comments                : V3239.TST
Comments                : GENERAL TEST INFORMATION -----
Laboratory test ref. Number : MY5803
Test Type               : NCA
Test Configuration      : VTB
Track Surface           : CON
Track Condition         : DRY
Closing Speed           : 15.52
Impact Angle            : 0
Offset                  : 0
Side Impact Point       : NOVALUE
Comments                : NEW CAR ASSESSMENT PROGRAM TEST

```

D.1.6.2 Example of NHTSA Vehicle Information Addendum Descriptor File

```

Comments                : V3239.VEH
Comments                : VEHICLE INFORMATION -----
Vehicle Number 1        : 1
Vehicle Make 1          : VOLKSWAGEN
Vehicle Model 1         : PASSAT
Vehicle Year 1          : 2000
Body Type 1             : 4S
VIN 1                   : WVWMA23B1YP118035
Engine Type 1           : 4CIF
Engine Size 1           : 1.8
Transmission Type 1     : AF
Vehicle Test Weight 1   : NOVALUE
Wheel Base 1            : 2.715
Vehicle Length 1        : 4.650
Vehicle Width 1         : NOVALUE
Vehicle Center of Gravity 1 : 1.222
Steering Column Separation 1 : NOVALUE
Column Collapse Mechanism 1 : NOVALUE
Vehicle Modifications 1  : NONE
Vehicle Speed 1         : 15.52
Crab Angle 1            : 0
Principal Dir of Force 1 : 0
Bumper Engagement 1     : NOVALUE

```

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| | |
|-----------------------------|---------------|
| Sill Engagement 1 | :NOVALUE |
| A-Pillar Engagement 1 | :NOVALUE |
| Damage Profile Distance 1-1 | :NOVALUE |
| Damage Profile Distance 2-1 | :NOVALUE |
| Damage Profile Distance 3-1 | :NOVALUE |
| Damage Profile Distance 4-1 | :NOVALUE |
| Damage Profile Distance 5-1 | :NOVALUE |
| Damage Profile Distance 6-1 | :NOVALUE |
| Vehicle Damage Index 1 | :NOVALUE |
| Total Length Indentation 1 | :NOVALUE |
| Center Damaged Area to CG 1 | :NOVALUE |
| Maximum Crush Distance 1 | :NOVALUE |
| Angle of Moving Cart 1 | :NOVALUE |
| Veh Orientation on Cart 1 | :NOVALUE |
| Comments | : NO COMMENTS |

D.1.6.3 Example of NHTSA Barrier Information Addendum Descriptor File

| | |
|-----------------------------|--|
| Comments | : V3239.BAR |
| Comments | : BARRIER INFORMATION ----- |
| Barrier | : B |
| Barrier Shape | : LCB |
| Rigid or Deformable Barrier | : R |
| Angle of Fixed Barrier | : 0 |
| Diameter of Pole Barrier | : NOVALUE |
| Comments | : NO DATA COLLECTED ON A1, B1, C1, D1, D2, D3, |
| Comments | : D4, D5, D6, D7, D8, D9 |

D.1.6.4 Example of NHTSA Occupant Information Addendum Descriptor File

| | |
|------------------------------|-------------------------------------|
| Comments | : V3239.OCC |
| Comments | : DRIVER OCCUPANT INFORMATION ----- |
| Vehicle Reference Number 1 | : 1 |
| Occupant Seat Position 1 | : 1 |
| Fine Location 3/Dummy Type 1 | : H3 |
| Dummy Manufacturer/Ser No 1 | : VECTOR, S/N:034 |
| Dummy Modifications 1 | : UNMODIFIED |
| Head to Windshield Header 1 | : .350 |
| Head to Windshield 1 | : .635 |
| Head to Side Header 1 | : .245 |

| | |
|------------------------------|---|
| Head to Side Window 1 | : .325 |
| Chest to Dash 1 | : .515 |
| Chest to Steering Wheel 1 | : .320 |
| Arm to Door 1 | : .126 |
| Hip to Door 1 | : .154 |
| Knees to Dash 1 | : .220 |
| Head to Seatback 1 | : NOVALUE |
| Neck to Seatback 1 | : NOVALUE |
| Chest to Seatback 1 | : NOVALUE |
| Knee to Seatback 1 | : NOVALUE |
| Seat Track Position 1 | : RW |
| 1st Contact for Head 1 | : AB |
| 2nd Contact for Head 1 | : NO |
| 1st Contact for Chest/Abdo 1 | : AB |
| 2nd Contact for Chest/Abdo 1 | : NO |
| 1st Contact for Legs 1 | : DP |
| 2nd Contact for Legs 1 | : SC |
| Head Injury Criterion HIC 1 | : 377 |
| Lo HIC Time Interval 1 | : .0528 |
| Up HIC Time Interval 1 | : .0887 |
| Thorax Peak Accel (CLIP3M) 1 | : 426.59 |
| L Femur Peak Load 1 | : 3534 |
| R Femur Peak Load 1 | : 4642 |
| Chest Severity Index 1 | : NOVALUE |
| Lap Belt Peak Load 1 | : 6474 |
| Shoulder Belt Peak Load 1 | : 5109 |
| Thoracic Trauma Index 1 | : NOVALUE |
| Pelvic Acceleration 1 | : NOVALUE |
| Comments | : NO COMMENTS |
| Comments | : |
| Comments | : RIGHT FRONT PASSENGER INFORMATION ----- |
| Vehicle Reference Number 2 | : 1 |
| Occupant Seat Position 2 | : 3 |
| Fine Location 3/Dummy Type 2 | : H3 |
| Dummy Manufacturer/Ser No 2 | : VECTOR, S/N:035 |
| Dummy Modifications 2 | : NONE |
| Head to Windshield Header 2 | : .365 |
| Head to Windshield 2 | : .655 |
| Head to Side Header 2 | : .230 |
| Head to Side Window 2 | : .315 |
| Chest to Dash 2 | : .540 |

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| | |
|------------------------------|---------------|
| Chest to Steering Wheel 2 | : NOVALUE |
| Arm to Door 2 | : .060 |
| Hip to Door 2 | : .148 |
| Knees to Dash 2 | : .225 |
| Head to Seatback 2 | : NOVALUE |
| Neck to Seatback 2 | : NOVALUE |
| Chest to Seatback 2 | : NOVALUE |
| Knee to Seatback 2 | : NOVALUE |
| Seat Track Position 2 | : NOVALUE |
| 1st Contact for Head 2 | : AB |
| 2nd Contact for Head 2 | : NO |
| 1st Contact for Chest/Abdo 2 | : AB |
| 2nd Contact for Chest/Abdo 2 | : NO |
| 1st Contact for Legs 2 | : DP |
| 2nd Contact for Legs 2 | : NO |
| Head Injury Criterion HIC 2 | : 318 |
| Lo HIC Time Interval 2 | : .0577 |
| Up HIC Time Interval 2 | : .0936 |
| Thorax Peak Accel (CLIP3M) 2 | : 399.1 |
| L Femur Peak Load 2 | : 4278 |
| R Femur Peak Load 2 | : 1408 |
| Chest Severity Index 2 | : NOVALUE |
| Lap Belt Peak Load 2 | : 6563 |
| Shoulder Belt Peak Load 2 | : 4042 |
| Thoracic Trauma Index 2 | : NOVALUE |
| Pelvic Acceleration 2 | : NOVALUE |
| Comments | : NO COMMENTS |

D.1.6.5 Example of NHTSA Restraint Information Addendum Descriptor File

| | |
|----------------------------|---|
| Comments | : V3239.RST |
| Comments | |
| Comments | : DRIVER RESTRAINT #1 INFORMATION ----- |
| Vehicle Reference Number 1 | : 1 |
| Occupant Seat Position 1 | : 1 |
| Restraint Mount 1 | : BC |
| Restraint Type 1 | : 3PT |
| Restraint Deployed 1 | : NA |
| Comments | : DRIVER 3 POINT BELT |
| Comments | |

```

Comments                               : DRIVER RESTRAINT #2 INFORMATION -----
Vehicle Reference Number 2             : 1
Occupant Seat Position 2               : 1
Restraint Mount 2                     : SW
Restraint Type 2                      : ABG
Restraint Deployed 2                  : DP
Comments                               : DRIVER AIR BAG
Comments
Comments                               : PASSENGER RESTRAINT #1 INFORMATION -----
Vehicle Reference Number 3             : 1
Occupant Seat Position 3               : 3
Restraint Mount 3                     : BC
Restraint Type 3                      : 3PT
Restraint Deployed 3                  : NA
Comments                               : PASSENGER 3 POINT BELT
Comments
Comments                               : PASSENGER RESTRAINT #2 INFORMATION -----
Vehicle Reference Number 4             : 1
Occupant Seat Position 4               : 3
Restraint Mount 4                     : DP
Restraint Type 4                      : ABG
Restraint Deployed 4                  : DP
Comments                               : PASSENGER AIR BAG

```