

# **Summary of NHTSA Requirements for NGV**

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# Authority

- **NHTSA** has the authority to decide if any vehicle is a “**motor vehicle**”
- **NHTSA** will make decision based on 5 factors, and previous decisions

# “Motor Vehicle”

- A “motor vehicle” is:
- “A vehicle manufactured primarily for public roads.....” .

# “Motor Vehicle”

- NHTSA will classify as “**motor vehicle**” if:
  - Capable of use on public roads,
  - Many people use it on public roads,
  - No matter the manufacturer’s intent.

# Vehicle Classifications

- Two classifications for “**motor vehicle**” could apply to NGV:
- LSV (low speed vehicle)
- Multipurpose passenger vehicle

# LSV (low speed vehicle)

- 4-wheels
- 32-40 km/hr only

# LSV Requirements

- Headlamps
- Stop lamps
- Turn signal lamps
- Tail lamps
- Reflectors

# LSV Requirements

- Parking brakes
- Back facing mirror
- Windshield (safety glass or plastic)
- Seat belts
- Vehicle Identification Number (VIN)

# Multipurpose Passenger Vehicle

- >40 km/hr
- Motive power
- 10 or less passengers
- Truck type chassis
- Special features for **occasional off-road use**

# Multipurpose Passenger Vehicle Requirements

- Crash tests, Theft,
- Fuel mileage, Emissions,
- Content Labeling, VIN,
- Bumpers.....

# Solution

- Yamaha must not allow a classification of **“motor vehicle”** for the NGV

# 5 Guidelines to Exempt from “Motor Vehicle” Classification

- 1 Must not supply devices or accessories that allow vehicle it to be registered for road use

# 5 Guidelines to Exempt from “Motor Vehicle” Classification

- 2 Certificates of origin or title documents must say: **“Vehicle cannot be used on public roads”**

# 5 Guidelines to Exempt from “Motor Vehicle” Classification

- 3 Must have label on vehicle saying  
**“not for public road use”**

# 5 Guidelines to Exempt from “Motor Vehicle” Classification

- 4 No advertisements saying vehicle can be used on roads
- 5 No selling through “motor vehicle” dealers

# Suggestions to Exempt from “Motor Vehicle” Classification

- Make vehicle look like an off-road vehicle
- Make obvious the intent of the vehicle

# Suggestions to Exempt from “Motor Vehicle” Classification

- Make sure the vehicle is as safe as possible-therefore no need to regulate
- Market as a “work” or “farm” vehicle

# Example

- **Polaris Ranger is not a “motor vehicle”**
- Fits in back of pickup truck to move to new location
- No rear differential
- Big tires, suspension



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# Example

- **Dune buggy is a “motor vehicle”**
- **Many people use them on roads**
- **Even though this is not manufacturer’s intent**



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# Example

- **Unimog is not a “motor vehicle”**
- Sold only by farm/construction dealers
- Label “not for highway use”
- Even though it is capable of highway use



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# Example

- **Crane is not a “motor vehicle”**
- Road use is only to move
- Stays at construction site for long time



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# Example

- **Mitsubishi SH27 truck is not a “motor vehicle”**
- Looks like a truck
- Different than Japan version (speed/engine)
- Hour meter, not speedometer
- Many warning labels

# Example

- Advertised for off road only
- Dealers do not help register for license
- Only sold through farm and fork lift dealers
- Classification will change if many are used on roads.