

**EVALUATION FORM**

**National Small Series Type Approval (NSSTA) For Completed[[1]](#footnote-1) Category N vehicles**

**Part I: details on representative vehicle for NSSTA**

**Part II: details on the range to be covered with NSSTA**

**Part III: Type variant version matrix for the variant version combination**

|  |  |  |
| --- | --- | --- |
| **Type of application** | | |
|  | **Yes** | **No** |
| **New NSSTA Application:** |  |  |
| **Extension to an existing NSSTA application** |  |  |
| **If applying for an extension to an existing NSSTA, quote existing NSSTA approval number here (see item 13 on page 2 below also)**: | | |

|  |  |
| --- | --- |
| **Submission Details** | |
| **AVBB Name:**  Shall be listed as approval holder of NSSTA |  |
| **AVBB Address:** |  |
| **AVBB Licence number:** |  |
| **AVBB contact details:**  Email/Telephone Number: |  |
| **Intended ATC:** |  |

**Declaration:**

By submitting this application,

I have read, received and understood the following manual:

NSAI AVBB Manual Rev 04

I also declare that the information provided in any application submitted to NSAI (National Standards Authority of Ireland) is:

1. Complete and correct to the best of my knowledge.
2. The subject of the application shall be built in accordance with the base vehicle manufacturers directives/guidelines and Statutory Instrument No.159 of 2009 as most recently amended.
3. All additional components/devices shall be fitted in accordance with the manufacturer’s instructions, and
4. I also understand that any incorrect, misleading or false information can lead to application suspension, application delays or the possibility of refusal, suspension or withdrawal of a certificate in accordance with S.I No.159 of 2009 as most recently amended.

I understand that any modification to a vehicle not covered in an IVA (Individual Vehicle Approval / NSSTA (National Small Series Type Approval) certificate renders the certificate invalid.

|  |  |  |
| --- | --- | --- |
| **Item No** | **Items to be included with this form are([[2]](#footnote-2)) :** | |
| 1 | Copy of the Incomplete Certificate of Conformity (COC) for the base vehicle and data on the incomplete variants/versions which may be included in this NSSTA  See section 3 of AVBB manual Rev.04 for more details |  |
| 2 | Approved Test Centre (ATC) inspection report for each variant in series |  |
| 3 | Drawings and photos, specifications, bill of materials, photographs describing the build (before, during and after) |  |
| 4 | Plates:  Photograph of the Base vehicle statutory Plate, 2nd stage statutory plate and Body ID plate as fixed on the body |  |
| 5 | Photographs of each finished variant (front, both side and rear) |  |
| 6 | Additional/alternatively added equipment type approval certificates/test reports e.g. coupling ball, additionally added lights, rear under run device/tail lifts, lateral protection device, spray suppression device, electronic sub-assemblies etc. |  |
| 7 | Mass in running order calculation/mass distribution sheets |  |
| 8 | Quality control plans for type |  |
| 9 | Sample of the completed COC to be issued and also a specimen of the authorised person who shall sign COC and a statement of their position in the company |  |
| 10 | If NSSTA involves more than 1 stage of manufacture than a signed agreement (see Annex VI AVBB manual) between both parties ensuring conformity of production shall be required i.e. fitment of tail lift, cranes, refrigeration units etc.  **Include details of this company here and enclose copy of signed agreement as per Annex VI of AVBB manual Rev. 04:**  **Name:**  **Address:** |  |
| 11 | For an extension to an existing NSSTA, please submit a cover letter outlining reason(s) for extension and any relevant documents required for extension |  |
| **Please note: This form is to capture the exact technical characteristics of the representative vehicle[[3]](#footnote-3) (Part I) for inspection and also requested data on the optional variant versions (Part II and Part III) for this series approval. Ensure all are listed or referred to appropriately and submitted separately if required** | | |

**PART I: details on representative vehicle for NSSTA**

| **Base Vehicle Information of representative vehicle**  ***(Incomplete vehicle details)*** | | | | |
| --- | --- | --- | --- | --- |
| 0.1 | Make trade name of base vehicle manufacturer: | |  | |
| 0.2 | Type: |  | Submit separate matrix or list of possible base vehicle variants/versions if requesting to be included in NSSTA. Otherwise, shall be limited to that of inspected vehicle (see item 1 on page 2 above) | |
| Variant: |  |
| Version: |  |
| 0.3 | Commercial name(s) if available: | | |  |
| 0.4 | Address of base vehicle manufacturer: | | |  |
| 0.5 | Base vehicle Type approval no. (as on COC): | | |  |
| 0.6 | VIN of base vehicle | | |  |
| 0.7. | Category of vehicle (N1, N2, N3, N1G, N2G, N3G): | | |  |
| 0.8. | If applicable, classifications according to the dangerous goods which the vehicle is intended to transport: | | |  |
| **Completed Vehicle Information of representative vehicle**  ***(Finished vehicle details)*** | | | | |
| 0.1 | Make trade name of manufacturer:  (AVBB Trade Name) | |  | |
| 0.2 | Type: | | Complete the matrix in part II below for variant version description | |
| Variant: | |
| Version: | |
| 0.3 | Commercial name(s) if available: | | |  |
| 0.4 | Location of 2nd stage statutory plate: | | |  |
| 0.5 | Bodywork code and description of representative vehicle (e.g. Flatbed 01, drop-side 02 etc.): | | |  |
| 0.6. | Category of vehicle (N1, N2, N3, N1G, N2G, N3G): | | |  |
| 0.7. | If applicable, classifications according to the dangerous goods which the vehicle is intended to transport: | | |  |

| **1.0** | **General characteristics of the completed representative vehicle** | | |
| --- | --- | --- | --- |
| 1.1 | Photographs and/or drawings of a representative vehicle: | |  |
| 1.2 | Number of Axles and wheels | |  |
|  | Axles: |  |
| Wheels |  |
| 1.3 | Number and position of steered axles: | |  |
| 1.4 | Powered axles:  (number, position, interconnection) | |  |
| 1.5 | Chassis, if any, overall drawing: | |  |
| 1.6 | Position and arrangement of the engine: | |  |
| 1.7 | Hand of drive:  (left/right) | |  |
| 1.8 | Vehicle is equipped to be driven in right/left hand traffic: | |  |

| **2.0** | **Masses and Dimensions in kg and mm of the representative vehicle** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Refer to drawings where applicable** | | | | | | | |
| 2.1. | Wheelbase: | | | | | | mm | |
| For two axle vehicles (centre of 1st to 2nd) | | | | | | mm | |
| For multi-axle vehicles (centre of 1st to last)  (more than two axles) | | | | | | mm | |
| 2.2. | Track of each steered axle | | | | | | mm | |
| mm | |
| 2.3 | Track of all other axles | | | | | |  | |
|  | | Axle 1: | | | | mm | |
| Axle 2: | | | | mm | |
| Axle 3: | | | | mm | |
| Axle 4: | | | | mm | |
| 2.4 | Dimensions | | | | | |  | |
|  | | Length: | | | | mm | |
| Width: | | | | mm | |
| Height (in running order): | | | | mm | |
| For suspensions adjustable for height, indicate normal running position: | | | | Mm | |
|  | Cargo Area | | | | | |  | |
|  | | Length of the loading area: | | | | mm | |
| 2.5 | Mass of the vehicle with bodywork in running order: | | | | | | kg | |
| 2.6 | Technically permissible maximum laden mass stated by the manufacturer: | | | | | | Kg | |
| 2.6.1 | Technically permissible maximum mass on each axle | | | Axle 1 | kg | Axle 2 | | kg |
| Axle 3 | kg | Axle 4 | | kg |
| 2.6.2 | Technically permissible maximum mass on each axle group:  *(if applicable)* | | | | | | Kg | |
| kg | |
| 2.7 | Technically permissible maximum mass of the combination: | | | |  | | | |
| 2.7.1 | Technically permissible maximum towable mass of the motor vehicle in case of | | | |  | | | |
|  |  | Drawbar trailer: | | |  | | | |
| 2.7.1 | Semi-trailer: | | |  | | | |
| Centre-axle trailer: | | |  | | | |
| 2.7.2 | Maximum mass of unbraked trailer (if applicable): | | | | | | kg | |
| Maximum mass of braked trailer: | | | | | | kg | |
| 2.7.3 | Technically permissible maximum static vertical load/mass on the vehicle coupling point: | | | | | | kg | |

| **3.0** | **Suspension and Tyres of the representative vehicle** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1 | Level adjustment: | | | | | Yes | | |  | No | |  |
| 3.2 | Air suspension for driving axles: | | | | | Yes | | |  | No | |  |
| 3.3 | Tyre / wheel combinations: | | | | | | | | | | | |
| (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol, suspension) | | | | | | | | | | | |
| **Axle (numbered front to rear)** | **Tyre size and Type** | | **Load Index** | **Speed Rating** | | | **Twin or Single** | | | **Suspension Type (air, steel, hydraulic etc)** | |
| Axle 1: |  | |  |  | | |  | | |  | |
| Axle 2: |  | |  |  | | |  | | |  | |
| Axle 3: |  | |  |  | | |  | | |  | |
| Axle 4: |  | |  |  | | |  | | |  | |
|  | | | | | | | | | | | |
| 3.4 | Which tyre use condition applies: (2B, 2J, 2R etc.) | | | | | | | | | | | |
| 3.5 | Upper and lower limits of rolling radii (mm): | | | | | |  | | | | | |
|  |  | | Axle 1: | | | |  | | | | | |
| Axle 2: | | | |  | | | | | |
| Axle 3: | | | |  | | | | | |
| Axle 4: | | | |  | | | | | |

| **4.0** | **Fitted Body of representative vehicle for NSSTA** | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| 4.1 | Name of Body builder(s): | |  | | | |
| 4.2 | Address of Body Builder(s): | |  | | | |
| Brief description of body: | | | | | |
| Body identification marking:  (photo evidence supplied) | |  | | | |
| Location of this marking:  (must be separate to the manufacturers’ plate) | |  | | | |
| Method of attachment to base vehicle | |  | | | |
| Mounting Plates | |  | | | |
|  | Number of: |  | | | |
| Size: |  | | | |
| Material specification: |  | | | |
| Method of attachment: |  | | | |
| Number of bolts used |  | | | |
| Bolts |  |  | | | |
| Size of bolts: |  | | | |
| Specification of bolts: |  | | | |
| Welding |  |  | | | |
| Specify welding method |  | | | |
| 4.3 | Weight of finished body | | Kg | | | |
| 4.4 | Specification supplied to body builder for mounting body on base vehicle | | Yes |  | No |  |
| If not, specification developed in conjunction with base vehicle manufacturer | | Yes |  | No |  |
| 4.5 | Brief description of interference, modification of already approved systems:  *(Eg. Exhaust system moved, mirrors, braking etc)* | | | | | |
|  | | | | | |
| 4.6 | Mud Guards | |  | | | |
| Base vehicle supplied with mudguards fitted: | | Yes |  | No |  |
| Mudguards fitted by body builder: | | Yes |  | No |  |
| If yes, complete the following | |  | | | |
|  | Mudguard material: |  | | | |
| Method of attachment to base vehicle: |  | | | |
| Material of brackets: |  | | | |
| Size of brackets:  (including thickness) |  | | | |
| Number of brackets |  | | | |
| Number and specification of bolts: |  | | | |
| 4.7 | Spray Suppression | | | | | |
| Spray suppression system fitted to vehicle: | | Yes |  | No |  |
| Energy Absorption: | | Yes |  | No |  |
| Air/water seperator | | Yes |  | No |  |
| **If no, approval may not be granted** | | | | | |

| **5.** | **Coupling device (if fitted) on representative vehicle for NSSTA**  **Type approval certificate and Installation instructions must be supplied with application.** | |
| --- | --- | --- |
|  | EC approval number of coupling device: |  |
| Class of coupling device: |  |
| D-value: |  |
| S-value: |  |
| v-value: |  |
| U-value: |  |
|  | **Note: The coupling device and towing brackets must be approved components** | |

| **6.** | **Rear under run device on representative vehicle for NSSTA** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | EC approval number or test report of rear underrun device: | | |  | | | |
| Means of attachment to chassis side members: | | |  | | | |
|  | * Welding | |  | | | |
| * Brackets: | |  | | | |
|  | * Number of brackets: |  | | | |
| * Number of bolts per bracket: |  | | | |
| * Size of bolts: |  | | | |
| * Other means (specify) | |  | | | |
| * Length of cross-member(mm): | |  | | | |
| * Cross Section of cross-member (circular/rectangular/square/other) | |  | | | |
| * Section height of cross-member(mm) | |  | | | |
| * Section wall thickness | |  | | | |
| Vehicle fitted with a platform/tail lift constituting the rear under run protection | | | Yes |  | No |  |
| If yes, please supply installation instructions and any other technically relevant information with application | | | | | | |
|  | | | | | | |

| **7.** | **Lateral protection system of representative vehicle for NSSTA** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | EC approval number or test report of lateral protection: | | |  | | | |
| * Side rails | | |  | | | |
|  | Material of side rails (ss/ms/alum): | |  | | | |
| Number of rails: | |  | | | |
| * Method of attachment of side guard to rails | | |  | | | |
|  | Welding | | Yes |  | No |  |
| Bolting | | Yes |  | No |  |
|  | Number of bolts: |  | | | |
| Size of bolts: |  | | | |
| * Method of attachment of rail to vehicle: | | |  | | | |
|  | Welding direct to vehicle chassis | | Yes |  | No |  |
| * Use of brackets: | | |  | | | |
|  | Number of brackets: | |  | | | |
| Bracket spacing: | |  | | | |
| Rail weld to bracket: | |  | | | |
| Rail bolted to bracket: | |  | | | |
| Number of bolts: | |  | | | |
| Size of bolts: | |  | | | |

| **8.** | **Installation of lighting devices on representative vehicle for NSSTA** |
| --- | --- |
|  | List all additional lamps and lighting devices as fitted. If approval certs available, please enclose with application  (lamps as fitted by the base vehicle manufacturer need not be stated, only complete for lamps as fitted at this stage of approval)   |  |  | | --- | --- | | **Side of vehicle fitted** | | | Left : | L | | Right: | R | | Left and right: | L/R | | Rear: | RE | | Front: | F | | **Indicate L, R, L/R, RE or F in box below as applicable** | |  |  | **Number of lamps fitted** | **e-number/mark and characteristic**  ***an example of marking for a reversing lamp would be:***  ***E24 00 221 AR*** | **Indicate**  **L, R, L/R, RE or F in box below as**  **Applicable** | | --- | --- | --- | --- | | **Reversing Lamp** |  |  |  | | **Direction Indicators** |  |  |  | | **Hazard Warning** |  |  |  | | **Stop Lamp** |  |  |  | | **Rear Registration Plate Lamp** |  |  |  | | **Rear Position Lamp** |  |  |  | | **Rear Fog Lamp** |  |  |  | | **End-Outline Marker Lamp front** |  |  |  | | **End-Outline Marker Lamp rear** |  |  |  | | **Rear retro reflector, non triangular** |  |  |  | | **Side Retro-Reflector Non-Triangular** |  |  |  | | **Side-Marker Lamps** |  |  |  | | **Conspicuity tape (reflective tape , contour marking)** |  |  |  | |

| **9.** | **Electric/electronic components on representative vehicle for NSSTA** | | |
| --- | --- | --- | --- |
|  | List all electric/electronic sub-assemblies added and enclose approval document for each e.g. refrigeration units, reversing cameras etc. | | |
| Description of device(s) | Manufacturer(s) of device(s) | Approval number(s) of device(s) |
|  |  |  |
|  |  |  |
|  |  |  |

**PART II: details on the range to be covered with NSSTA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Vehicle Body code: Tick each body style if it is to be included and submit dimensional drawing of each and include also in type variant version matrix** | | | | |
|  | Tick applicable item**🗸** |  |  | Tick applicable item**🗸** |
| BA (Lorry) |  | 01 | Flat bed; |  |
| BB (Van) |  | 02 | Drop-side; |  |
| BC (Tractor unit for semi trailer) |  | 03 | Box body; |  |
| BD(Road tractor) |  | 04 | Conditioned body with insulated walls and equipment to maintain the interior temperature; |  |
| BE (open cargo) |  | 05 | Conditioned body with insulated walls but without equipment to maintain the interior temperature; |  |
| **Special Purpose Category**  ***(if applicable)***  **Complete section 14 below also** | | 06 | Curtain-sided; |  |
|  | Tick applicable item🗸 | 07 | Swap body (interchangeable superstructure); |  |
| 08 | Container carrier; |  |
| **Special group (SG)**  a special purpose vehicle which does not enter in any of  the definitions mentioned in this section. |  | 09 | Vehicles fitted with hook lift; |  |
| 10 | Tipper; |  |
| 11 | Tank; |  |
| 12 | Tank intended for transport of dangerous goods; |  |
| 13 | Livestock carrier; |  |
| **Armoured vehicle(SB)**  a vehicle intended for the protection of conveyed persons  or goods with anti-bullet armour plating. |  | 14 | Vehicle transporter; |  |
| 15 | Concrete mixer; |  |
| 16 | Concrete pump vehicle; |  |
| **Special group (SG)**  a special purpose vehicle which does not enter in any of the definitions mentioned in this section. |  | 17 | Timber; |  |
| 18 | Refuse collection vehicle; |  |
| 19 | Street sweeper, cleansing and drain clearing; |  |
| **\*Note 1**: NSAI will require EMC documents for any electronic devices fitted at the final build process. E.g. EMC approval for fridge unit, electronic weighing devices etc. complete in section 13 below  **\*Note 2**: If you select a swap body. Please indicate the bodies in which you wish to include in this approval by ticking the relevant categories.  -please note your stage 2 plate will be in different format to accommodate the swap bodies, see AVBB manual for plates section as a guide  -NSAI will also require mount and de-mount instructions for the swap body system fitted | | 20 | Compressor; |  |
| 21 | Boat carrier; |  |
| 22 | Glider carrier; |  |
| 23 | Vehicles for retail or display purposes; |  |
| 24 | Recovery vehicle; |  |
| 25 | Ladder vehicle; |  |
| 26 | Crane lorry |  |
| 27 | Aerial work platform vehicle; |  |
| 28 | Digger derrick vehicle; |  |
| 29 | Low floor trailer; |  |
| 30 | Glazing transporter; |  |
| 31 | Fire engine; |  |
| 99 | Bodywork that is not included in the present list. |  |

| **2.0 A** | **Masses and Dimensions in kg and mm of the range (min and max) of vehicles** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Refer to drawings where applicable and include range if applicable.** | | | | | | | |
| 2.1A | Wheelbase (include range if applicable): | | | | | min. and max. (if applicable) | | |
| For two axle vehicles (centre of 1st to 2nd) | | | | | mm | | |
| For multi-axle vehicles (centre of 1st to last)  (more than two axles) | | | | | mm | | |
| 2.2A | Track of each steered axle (include range if applicable): | | | | | mm | | |
| mm | | |
| 2.3A | Track of all other axles(include range if applicable): | | | | |  | | |
|  | Axle 1: | | | | mm | | |
| Axle 2: | | | | mm | | |
| Axle 3: | | | | mm | | |
| Axle 4: | | | | mm | | |
| 2.4A | Range of dimensions (overall) (include range if applicable): | | | | |  | | |
|  | Length: | | | | mm | | |
| Width: | | | | mm | | |
| Height (in running order): | | | | mm | | |
| For suspensions adjustable for height, indicate normal running position: | | | | Mm | | |
|  | Cargo Area | | | | |  | | |
|  | | | Length of the loading area: | | mm | | |
| 2.5A | Mass of the vehicle with bodywork in running order(include range if applicable): | | | | | kg | | |
| 2.6A | Technically permissible maximum laden mass stated by the manufacturer(include range if applicable): | | | | | Kg | | |
| 2.6.1A | Technically permissible maximum mass on each axle(include range if applicable): | | | Axle 1 | kg | Axle 2 | | kg |
| Axle 3 | kg | Axle 4 | | kg |
| 2.6.2A | Technically permissible maximum mass on each axle group:  (include range if applicable): | | | | | | Kg | |
| kg | |
| 2.7A | Technically permissible maximum mass of the combination (include range if applicable): | | | |  | | | |
| 2.7.1A | Technically permissible maximum towable mass of the motor vehicle in case of(include range if applicable): | | | |  | | | |
|  |  | | Drawbar trailer: | |  | | | |
| 2.7.1A | Semi-trailer: | |  | | | |
| Centre-axle trailer: | |  | | | |
| 2.7.2A | Maximum mass of unbraked trailer (if applicable): | | | | | | kg | |
| Maximum mass of braked trailer: | | | | | | kg | |
| 2.7.3A | Technically permissible maximum static vertical load/mass on the vehicle coupling point: | | | | | | kg | |

| **3.0A** | **Suspension and Tyres (if the vehicles in the range differs from that of the representative vehicle in Part I above)** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1A | Level adjustment: | | | | | Yes | | |  | No | |  |
| 3.2A | Air suspension for driving axles: | | | | | Yes | | |  | No | |  |
| 3.3A | Tyre / wheel combinations: | | | | | | | | | | | |
| (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol, suspension) | | | | | | | | | | | |
| **Axle (numbered front to rear)** | **Tyre size and Type** | | **Load Index** | **Speed Rating** | | | **Twin or Single** | | | **Suspension Type (air, steel, hydraulic etc)** | |
| Axle 1: |  | |  |  | | |  | | |  | |
| Axle 2: |  | |  |  | | |  | | |  | |
| Axle 3: |  | |  |  | | |  | | |  | |
| Axle 4: |  | |  |  | | |  | | |  | |
|  | | | | | | | | | | | |
| 3.4A | Which tyre use condition applies: (2B, 2J, 2R etc.) | | | | | | | | | | | |
| 3.5A | Upper and lower limits of rolling radii (mm): | | | | | |  | | | | | |
|  |  | | Axle 1: | | | |  | | | | | |
| Axle 2: | | | |  | | | | | |
| Axle 3: | | | |  | | | | | |
| Axle 4: | | | |  | | | | | |

| **4.0A** | **Spray suppression systems (list the alternative systems that may be fitted in NSSTA range)**  **Type approval certificate of device and drawings of system must be supplied with application to identify the variation** | | |
| --- | --- | --- | --- |
|  | List of EC approval number of coupling device: | Manufacturer of device | Type of device (air water/energy absorption |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

| **5.0A** | **Coupling device (of the alternative couplings that may be fitted in NSSTA range)**  **Type approval certificate and Installation instructions must be supplied with application** | | |
| --- | --- | --- | --- |
|  | List of EC approval number of coupling device: | Manufacturer of coupling | Class of couplings |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

| **6.0A** | | **Rear under run device (of the alternative rear under runs that may be fitted in NSSTA range. Include type approval with application)** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Type of rear under run (taillift cantilever, standard etc.) | | Approval number or test report | | Maximum mass of vehicle can be fitted to | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
| **7.0A** | **Lateral protection (of the alternative lateral protection systems that may be fitted in NSSTA range. Include type approval with application)** | | | | | |
|  | Manufacturer of lateral protection systems | | Type description of lateral protection systems | | Approval number /test report of lateral protection systems | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |

| **9.0A** | **Electric/electronic components/sub-assemblies to be included as alternatives on NSSTA range** | | |
| --- | --- | --- | --- |
|  | List all electric/electronic sub-assemblies that may be added and enclose approval document for each e.g. refrigeration units, reversing cameras etc. | | |
| Description of device(s) | Manufacturer(s) of device(s) | Approval number(s) of device(s) |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

| **8. 0A** | **Installation of lighting devices (list the alternative lights that may be added on the range of vehiceles in the NSSTA range)** |
| --- | --- |
|  | List all additional lamps and lighting devices as fitted. If approval certs available, please enclose with application  (lamps as fitted by the base vehicle manufacturer need not be stated, only complete for lamps as fitted at this stage of approval)   |  |  | | --- | --- | | **Side of vehicle fitted** | | | Left : | L | | Right: | R | | Left and right: | L/R | | Rear: | RE | | Front: | F | | **Indicate L, R, L/R, RE or F in box below as applicable** | |  |  | **Number of lamps fitted** | **e-number/mark and characteristic**  ***an example of marking for a reversing lamp would be:***  ***E24 00 221 AR*** | **Indicate**  **L, R, L/R, RE or F in box below as**  **Applicable** | | --- | --- | --- | --- | | **Reversing Lamp** |  |  |  | | **Direction Indicators** |  |  |  | | **Hazard Warning** |  |  |  | | **Stop Lamp** |  |  |  | | **Rear Registration Plate Lamp** |  |  |  | | **Rear Position Lamp** |  |  |  | | **Rear Fog Lamp** |  |  |  | | **End-Outline Marker Lamp front** |  |  |  | | **End-Outline Marker Lamp rear** |  |  |  | | **Rear retro reflector, non triangular** |  |  |  | | **Side Retro-Reflector Non-Triangular** |  |  |  | | **Side-Marker Lamps** |  |  |  | | **Conspicuity tape (reflective tape , contour marking)** |  |  |  | |

**Part III: Type variant version matrix for the variant version combination**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Matrix showing the combinataions of the entries listed in Part I and II within the versions and the variants of the vehicle type** | | | | | | |
|  | | | | | | |
| **Item No.** | | **All** | **Version 1** | **Version 2** | **Version 3** | **Version n** |
|  | |  |  |  |  |  |
|  | |  |  |  |  |  |
|  | |  |  |  |  |  |
|  | |  |  |  |  |  |
| **NOTES:** | | | | | | |
| (a) | A separate matrix shall be compiled for each variant within the type. | | | | | |
| (b) | Entries for which there are no restrictions on their combination within a variant shall be listed in the column headed ‘all’. | | | | | |
| (c) | The above information may be presented in an alternative layout or merged with the information supplied in Part I. | | | | | |
| (d) | Each variant and each version shall be identified by an alphanumerical code consisting of a combination of letters and numbers, which shall also be indicated in the certificate of conformity (Annex IX) of the vehicle concerned. | | | | | |
| (e) | Variant(s) which fall(s) under Annex XI of 2007/46/EC (Special Purpose Vehicles) shall be identified by a specific alphanumerical code. | | | | | |

**See sample of a Type variant version matrix on following page. All of the alternative components and devices listed in part II above should be included in the type variant version matrix and given an appropriate coding**

## Example of a TVV matrix for a completed vehicle of category N

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 1,2,3 | 1,2 | 3,4 | 5,6 |
|  | Type | Variant | Version | | |
|  |  | Body | Rear under run | Rear Door | Side door |
|  |  |  |  |  |  |
|  | ABC |  |  |  |  |
| Box Body |  | BOX |  |  |  |
| Curtain Side |  | CUR |  |  |  |
| Flat |  | FLA |  |  |  |
| Zehra Lift |  |  | ZP |  |  |
| Dhol Lift |  |  | DH |  |  |
| VBB RUP |  |  | RP |  |  |
| No Rear Door |  |  |  | ND |  |
| Single Door |  |  |  | RD |  |
| Double Door |  |  |  | 2D |  |
| No Side Door |  |  |  |  | ND |
| Side Door |  |  |  |  | SD |

For the TVV matrix above, a box bodied variant of the type ABC with a Zehra tail fitted and a double rear door but with no side door would be described as:

Type: ABC

Variant: BOX

Version: ZPRDND

**Please note, the above is only an example of a TVV matrix and each matrix should be specifically tailored to capture all of the varying elements of an NSSTA application.**

The matrix could also capture other varying elements such as:

-differing spray suppression systems (air water separator or energy absorption)

-vehicle’s coupling ability and types of coupling that could be mounted

-different lateral rail systems

-If multiple options of tailift or rear under runs available, assign a code for each and ensure that the technical approval document for each is submitted with approval

1. () *Body fitted to an incomplete vehicle. This form is only to be used for these type of N applications* [↑](#footnote-ref-1)
2. **()** *list not exhaustive and NSAI could request further items depending on the finished vehicle* [↑](#footnote-ref-2)
3. ()*Must be determined with NSAI as worst case selection for inspection for NSSTA application* [↑](#footnote-ref-3)