

**EVALUATION FORM**

**Individual Vehicle Approval (IVA) for Completed[[1]](#footnote-1) Category N1 vehicles**

**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.

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| **Submission Details** | |
| **Name of Seller/Distributor of vehicle***( [[2]](#footnote-2))***:** |  |
| **Seller/Distributor Address:** |  |
| **Seller/Distributor contact information:** |  |
| **AVBB name:** |  |
| **AVBB address:** |  |
| **AVBB Licence Number:** |  |
| **Has any equipment been fitted by a third party?**  *(If yes please note the body builder involved e.g. crane/tail lift fitted externally)* |  |
| **Telephone Number:** |  |
| **Email:** |  |
| **ATC to carry out inspection:** |  |
| **Estimated date vehicle will be available for test?** |  |

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| **Items to be included with this form are([[3]](#footnote-3)) :** | |
| **Prelim Stage:** | |
| Copy of the Incomplete Certificate of Conformity *(COC)* for the base vehicle or Copy of the incomplete IVA certificate for base vehicle *(if not available alternative IVA evaluation form required)* |  |
| Copy of Manufacturers Statement of Compliance *(This should be requested alongside base vehicle COC from the base vehicle distributor)* |  |
| Drawings and photos, specifications, bill of materials, photographs describing the build *(before and during build)* |  |
| Photograph of the Original Statutory Plate. |  |
| Photograph of 2nd stage statutory plate *(This can be a blank second stage plate)* |  |
| Photograph of Body ID plate as fixed on the body *(Must be fitted to body of vehicle for ATC inspection)* |  |
| Photographs of incomplete base vehicle |  |
| Photograph of interior of vehicle |  |
| Photograph of speedometer |  |
| Additionally added equipment type approval certificates/test reports e.g. coupling, additionally added lights, rear under run device, lateral protection device, spray suppression device and any relevant installation instructions as supplied with device |  |
| Signed declaration stating that the vehicle was built in accordance with the base vehicle manufacturers guidelines (4) |  |

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| **Documents to be included after inspection:** | |
| ATC Inspection Report & photos taken by ATC |  |
| Weight Docket (Must be a printed docket, cannot be handwritten) |  |
| Mass calculation sheet (MCS) |  |

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| **Vehicle Information** | | | | |
| 0.1 | Make trade name of base vehicle manufacturer: | |  | |
| 0.2 | Type: |  | | |
| Variant: |  | | |
| Version: |  | | |
| 0.3 | Commercial name(s) if available: | | |  |
| 0.4 | Vehicle Identification Number (VIN): | | |  |
| 0.4.1 | Type approval no. as on COC or incomplete IVA no: | | |  |
| 0.5. | Means of identification of type, if marked on the vehicle: | | |  |
| 0.5.1 | Location of that marking: | | |  |
| 0.6. | Category of vehicle (N1 or N1G): | | |  |
| 0.7. | If applicable, classifications according to the dangerous goods which the vehicle is intended to transport: | | |  |
| 0.8 | Vehicle seats | | |  |
| 0.8.1 | Number of seat rows: | | |  |
| 0.8.2 | Number of seats: | | |  |

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| **Finished vehicle with fitted body details** | | | | | |
| **Vehicle Body code** | | | | | |
|  | | Tick applicable item**🗸** | See note 1\* for all vehicle body types. | | 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; see note 1\* |  |
| 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)*; see note 2\* |  |
| 08 | Container carrier; |  |
| **Mobile crane (SF)**  a vehicle of category N3, not fitted for the carriage of  goods, provided with a crane whose lifting moment is  equal to or higher than 400 kNm. |  | | 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.  \*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. |  |

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| **2.0** | **MASSES AND DIMENSIONS in kg and mm.** | | |
|  | **Refer to drawings where applicable.** | | |
| 2.1. | Range of vehicle dimensions (overall) | |  |
|  | 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 |
| Wheelbase (centre of 1st to last axle): | | mm |
| 2.2. | Mass in running order: | |  |
| *(Mass calculation sheet must be submitted with this form)*  *See appendix I below for mass limits for N1 vehicles* | | Kg |

| **FITTED BODY** | | | | | | | | |
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| 9.1. | Brief description of body: | |  | | | | | |
| 9.2 | Please attach Sub frame drawings/sketch and a brief description: | | | |  | | | |
|  | | | | | | | |
| 9.3 | **Method of attachment to base of 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: | |  | | | | |
| 9.4 | Weight of finished body: | | | Kg | | | | |
| 9.5 | 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 |  |
|  | **Please note: NSAI may request bodybuilder guidelines/manufacturer correspondence to support the build of the vehicle. Please ensure you have these to hand when submitting this application as to avoid delays.** | | | | | | | |
| 9.6 | Brief description of interference, modification of already approved systems:  *(E.g. exhaust system moved, mirrors, braking etc.)* | | | | |  | | |
|  | | | | | | | |
| 9.7 | Side guard rails fitted: | | | Yes | |  | No |  |
|  | **Side Rails** | Material of side rails (ss/ms/alum): | |  | | | | |
| Number of rails: | |  | | | | |
| **Method of attachment of side rail to vehicle** | Material of brackets: | |  | | | | |
| Number of brackets: | |  | | | | |
| Distance between brackets: | |  | | | | |
| Number and specification of bolts: | |  | | | | |
| Other: | |  | | | | |

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| **10.** | **Coupling device (if fitted) (Type approval certificate and Installation instructions must be supplied with application)** | | | |
|  | Is the base vehicle fitted with a manufacturer’s Drawbeam/Towing brackets and coupling device? | | Yes | No |
|  | If you have answered **No** and is installing a coupling device please complete the following: | | | |
|  | EC approval number of Coupling device:  *(i.e. coupling ball/jaw)* | |  | |
| EC approval number of the Drawbeam:  *(i.e. towing brackets)* | |  | |
| Class of coupling device: | |  | |
|  | D-value: |  | |
|  | S-value: |  | |
|  | V-value: |  | |
|  | U-value: |  | |
| **Note: The coupling device and towing brackets must be approved components** | | | | |

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| **11.** | **Installation of lighting devices** |
|  | 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 revering 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 rear** |  |  |  | | **End-Outline Marker Lamp front** |  |  |  | | **Rear retro reflector, non-triangular** |  |  |  | | **Side Retro-Reflector Non-Triangular** |  |  |  | | **Side-Marker Lamps** |  |  |  | | **Conspicuity tape (reflective tape , contour marking)** |  |  |  | |

**\*Please note original lamps provided by the base vehicle manufacturer must be fitted as per manufacturer’s instructions.**

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| **12.0** | **Special purpose**  ***(if applicable)*** |
|  | Brief description of the specific technical features required for the vehicle to perform its special purpose functions. If exemption requested due to function, please complete separate justification form: |
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**Appendix I**

**Mass Requirements for categorisation of category N1**

**(Minimum payload requirements)**

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| 3.6. | Vehicles shall show a goods-carrying capacity equal or higher than the person-carrying capacity expressed in kg. | |
| 3.6.1 | For such purposes, the following equations shall be satisfied in all configurations, in particular **when all seating positions are occupied**: | |
|  | (a) | when N = 0:  P – M ≥ 100 kg |
| (b) | when 0 < N ≤ 2:  P – (M + N × 68) ≥ 150 kg; |
| (c) | when N > 2:  P – (M + N × 68) ≥ N × 68; |
| where the letters have the following meaning: | |
| **‘P’ is the technically permissible maximum laden mass;**  **‘M’ is the mass in running order(5)**  **‘N’ is the number of seating positions excluding the driver’s seating** | |
| **Example 1** | | |
| 2 seater van (driver + one passenger in front row) with a mass in running order of 1500kg and a maximum laden mass of 3500kg  Using the formula (b) above based on N = 1  P – (M + N × 68) ≥ 150 kg  Where:  P=3500  M=1500  N=1  3500 – (1500 + 1 x 68) > 150kg = 3500 – ( 1568) = 1932 > 150kg  **meets requirement of 3.6 above** | | |
| **Example 2** | | |
| 5 seater crew cab van (driver + 4 passengers, 1 in front row, 3 in second row) with a mass in running order of 2000kg and a maximum laden mass of 3500kg  Using the formula (c) above based on N = 4  P – (M + N × 68) ≥ N × 68  Where:  P = 3500  M = 2000  N = 4  3500 – ( 2000 + 68 x 4) ≥ N × 68 = 3500 – (2272) ≥ 272 = 1228 ≥ 272  **meets requirement of 3.6 above** | | |

(5) mass of vehicle with its fuel tank filled to 90% of its capacity and including 75kg for mass of driver

1. () *Body fitted to an incomplete vehicle. This form is only to be used for these type of N1 applications* [↑](#footnote-ref-1)
2. () *must be able facilitate vehicle recall if necessary. Shall be named as approval holder of vehicle* [↑](#footnote-ref-2)
3. ()*list not exhaustive and NSAI could request further items depending on the finished vehicle*

   (4)*NSAI can request at any stage a copy of the base vehicle manufacturer’s guidelines. Please have a copy on file as to avoid delays with an application*. [↑](#footnote-ref-3)