

Declaration of Compliance for Motor Route Buses

Land Transport Directorate

Telephone: (00356) 2556 0000 Website: www.transport.gov.mt

SECTION A: VEHICLE DETAILS

Make		Model	
Chassis number			
Seating capacity (including driver seat)		Year of manufacture ¹ :	
Mileage (km)			

SECTION B: PASSENGER TRANSPORT OPERATOR LICENCE DETAILS

Operator Name	Arriva Malta Ltd.	Operator Licence Number	
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SECTION C: DECLARATION BY REGISTERED OWNER OF VEHICLE

I _____ (name and surname) having identity card/Passport number _____ hereby declare that the above vehicle complies with all the requirements stipulated in the Regulations and as per Contract entered into between Transport Malta and the Operator on the 20th November 2010.

Furthermore, I declare that in terms of the Contract, the vehicle is to be classified as (select only one as appropriate):

- New (not more than 6,000km and not more than six months since date of manufacture)
- Used (more than 6,000km or more than six months since date of manufacture)

I declare that (declaration to be made both in the case of NEW and USED vehicles) comply with the following:

- a) It fulfils all the specifications and constructional requirements laid down in the Motor Vehicles (Weights, Dimensions and Equipment) Regulations;
- b) Bus Equipment Checklist (Appendix 1)
 - Bus status – EC type approval;
 - Safety;
 - Accessibility;
 - Emission Level;
 - Engine type;
 - Design speed;
 - Exterior;
 - Interior;
 - Signage;
 - Length;
 - Height;
 - Communications & Destination Blinds or Electronic Displays;
- c) Ticketing Machine and Onboard Pay Machine Checklist (Appendix 2);
 - Ticketing Machines;
 - Main features;
 - Onboard Pay Machine – Articulated buses ONLY;
 - Technical data;

¹ Vehicle cannot be older than 15 years at any time throughout the concession contract.

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- d) TVCC System Checklist (Appendix 3)
- TVCC system;
 - Main features;
 - Transferring of on-board images;
- e) Automatic Passenger Counting system;
- Automatic Passenger Counting system;
 - The Internal Microprocessor;
 - Provisions of the APC050;
 - Main features;
- f) The vehicle is equipped with one of the following:
- Euro V engine;
 - The vehicle is equipped with a Euro III or IV engine and will be upgraded to comply with Euro V emission limits by the **3rd July 2012**;
- Or**
- The vehicle is a Hybrid vehicle.

Furthermore, I also declare that (declaration to be made only in the case of USED vehicles):

- g) It has been issued with a Certificate of Initial Fitness (COIF) by the competent authority of the Member State in which no modification was effected after the issue of the Certificate.

Signature of registered owner	Date
<i>The Authority shall not issue a passenger transport vehicle licence unless the application for the same is accompanied by a declaration made by the applicant stating that the particular vehicle complies with the requirements stipulated in these regulations for passenger transport vehicles.</i>	
Applicants are reminded that according to the contract signed on the 20 th November 2010 clause 10.18 stipulates that <i>“The Authority shall, in all cases, have the power to investigate and verify the information provided by the Operator and if such information proves to be false the Operator shall be liable to the penalty stipulated in Schedule XI.”</i>	
The Authority shall have the right to conduct roadside inspections on Motor Route Buses and also to call such vehicles for such inspections to verify these requirements	

SECTION D: SUPPORTING DOCUMENTATION

In the case of NEW vehicles:

- An independent declaration that the vehicle conforms to Directive 2001/85; **OR**
- Certification from a notified body from another Member State according to their National approval;

In the case of USED vehicles:

- A Certificate Of Initial Fitness (COIF) issued by a competent authority of the said Member State (such as VOSA UK);

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- Vehicle Roadworthiness Test certificate, issued in accordance with the Motor Vehicles Roadworthiness Test Regulations (S.L.65.15), with respect to the particular vehicle not more than three months before the date of the application for licensing of the vehicle.

Administrative Review Completed and Approved	Signature	Name	Date
Technical Review Completed and Approved	Signature	Name	Date

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Appendix 1:

Bus Equipment Checklist

Agreement for the provision of Scheduled Bus Services in Malta – Schedule III

Date:

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Make & Model:

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Chassis No:

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Euro engine:

III	IV	V
Circle were applicable		

Year of Manufacture:

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Item	Description	Schedule
1. Bus Status (verified through certification)		
1.1	New vehicle	III.3
1.1.2	Certification of conformity with Directive 2001/85/EC	III.3
1.1.3	OR Certification from a notified body of another Member State according to their National approval	
1.2	OR Second hand vehicle	III.4
1.2.1	Certification of Initial Fitness	
1.3	OR Ex-Malta Bus	
2. Safety		
2.1	Overall Safety aspect	III.5.1
2.2	Fire extinguisher	III.5.2
2.2.1	Maximum seating capacity (28 passengers) 1x3Kg CO ² or powder	III.5.2
2.2.2	Maximum seating capacity (55 passengers or more) 1x6Kg or 2x3Kg CO ² or powder	III.5.2
2.3	Warning Triangle	III.5.3
2.4	First-aid Kit (Green box with white cross)	III.5.4
2.4.1	Readily identifiable & easily accessible	III.5.5
2.5	Right hand drive with passenger doors on the left hand side	III.5.6
3. Accessibility		
3.1	Accessibility to wheelchair users	III.5.7
3.2	2 Priority seats & adequate markings	III.5.8
4. Emission Level		
4.1	Compliant to EuroV Compliance certificate	III.5.9.2
4.1.2	OR Comply with Certification of Upgrade	III.5.9.1
5. Engine type		
5.1	Diesel	

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5.2	Diesel-Electric Hybrid	III.5.10
6. Exterior		
6.1	Body colour RAL-5021	III.5.11
7. Interior		
7.1	Functional Air conditioning system	III.5.12
7.2	Air-cooling system (ex-Malta buses only)	III.5.12
7.3	Sufficient internal lighting	III.5.13
7.4	Seat pitch (65cm) + 4 seats pitch (>65cm)	III.5.14
7.5	Articulated (Airport) buses with adequate storage for luggage	III.5.15
7.6	4 surveillance cameras (2 positioned on seating area)	III.5.16
7.7	Signal alighting buttons along the length of bus in easy reach of all passengers.	III.5.17
8. Signage		
8.1	No Smoking sign	III.5.23
8.2	Sign denoting No speaking to Bus driver while Bus is in motion	III.5.24
8.3	Notice providing the Operators' details	III.5.25
8.4	No obstruction of Bus Drivers' or passengers view through windows (incl. notices or fixtures)	III.5.26
8.5	Notice identifying the Bus Route in operation	III.5.27
8.6	Notice of the maximum seating capacity and the maximum standing capacity of the bus	III.5.28
8.7	Notice of surveillance cameras on the bus	III.5.29
8.8	Signs to be in Maltese and English language, where applicable include shall have pictographic symbols illustrating the meaning and are clearly visible to passengers.	III.5.30
9. Length		
9.1	No rigid Bus shall be longer than 12.5m	III.5.31
10. Height		
10.1	No Bus shall be higher than 4m	III.5.32
11. Communications & Destination Blinds or Electronic Displays		
11.1	Adequate public announcement system with speakers	III.5.18
11.2	Communications system enabling communication with operations control centre	III.5.19
11.3	Display of the next bus stop and the final destination. Positioned to allow passengers to read the information	III.5.20
11.3.1	Display: 1 on the left hand side / center of the windscreen which displays: (a) Bus route number (b) Final destination of the bus route	III.5.21 (i)
11.3.2	Display: 1 on the left hand side / center of the rear windscreen displaying Bus Route number and legible from a 50m distance (Not hand written)	III.5.21 (ii)
11.4	Vehicle locating device and transmission equipment	III.5.22

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Appendix 2:

Ticketing Machine and Onboard Pay Machine Checklist

Technical Appendix VII section 6.3 (pages 537-544)

Date:

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Make & Model:

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Chassis No:

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Year of Manufacture:

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Maximum seating capacity:

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1. Ticketing Machines

1.1	Accessibility (to persons with impairment)
1.2	Driver ticketing console CDB-5 PLUS
1.2.1	Ticketing Machine - Dimension: mm 140x253x193 (wxdxh)
1.2.2	Weight: under 2Kg
1.2.3	Processor: 32-bit registers; 18.432 MHz clock frequency
1.2.4	Memory: 2 Mb static RAM, with backup battery and hardware protection
1.2.5	FLASH Memory: non volatile 512 Kb
1.2.6	Mass Memory up to 4 GB and expandable
1.2.7	Driver display 320x200 touch screen
1.2.8	User display 2 lines x 16 characters x 8mm +3 LED 10x20 mm
1.2.9	Printer type thermal printer with paper roll mm 58x28 about 1,000 tickets/roll
1.2.10	Driver log in through touch screen or contact smart card ISO 7816
1.2.11	ISO 14443A-B, Calypso, ISO 15693, Philips MIFARE, Sony Felica, e-NFC
1.2.12	SAM up to 4 months
1.2.13	Interfaces 2xRS-232, 2xRS-485, CAN (option), 2 digital I/O, odometer
1.2.14	Power supply 10/32 V DC
1.2.15	Operating temperature -10 +60°C

1.3 Ticketing machine, main features:

1.3.1	Smart card validation
1.3.1.1	Smart card re-loading
1.3.2	Communication with ticketing control centre
1.3.3	Connected with Thetis UPL090 onboard computer through a serial port RS 485
1.3.4	Plastic material is class UL94 5VA
1.3.5	Mounting is achieved by means of the apposite fast hook
1.3.6	Unit is fixed by support means of a key-lock
1.3.7	Features a bright 5.7" graphic LCS of transfective type with touch screen
1.3.8	Transfective technology consists in pixel illumination both from the front side and from the rear side of the display
1.3.9	Illumination from rear with reflective technology
1.3.10	Illumination from front allows correct visibility in any condition

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1.3.11	Illumination is ensured by means of high efficiency long-duration white LED's
1.3.12	Software controlled audio signal available
1.3.13	4 illumination function keys
1.3.14	Transaction result is visual by the use of 3 colour LED's – Green, Red & Yellow
1.3.15	Print modes include normal, double height, double width, bold, inverted, graphic
1.4 Onboard Pay Machine – Articulated buses ONLY	
1.4.1	AeP F240 Pay Machine
1.4.1.1	Interfaced with CDB5-PLUS connected to UPL090 Wi-Fi and GPRS communications
1.4.2 Technical data:	
1.4.2.1	Tickets 60 g/sqm, 35mm, thermal paper, variable length
1.4.2.2	Roll capacity about 1,400 tickets
1.4.2.3	Coins 5 different types
1.4.2.4	Coin capacity 900
1.4.2.5	Ticket type configurable
1.4.2.6	Display backlit LCD, 2 x 16 characters
1.4.2.7	Memory up to 4 GB SD card

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Appendix 3:

TVCC System Checklist

Technical Appendix VII section 6.8.3 (page 418)

Date:

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Make & Model:

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Chassis No:

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Year of Manufacture:

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Maximum seating capacity:

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1. TVCC system

1.1	4 analogue video cameras
1.1.2	Thetis VPU video surveillance module with 128 GB SDHC memory, integrate the UPL090 onboard computer
1.1.3	1 microphone to enable "silent listening" voice calling during emergency
1.1.4	Onboard software for video surveillance, including diagnostics from DIT

1.2 Main features of VPU include:

1.2.1	1 FreeScale i.MX27 @ 400 MHz processor for each channel
1.2.2	Up to 2 SDHC cards for channel
1.2.3	Real time video compression with D1 Resolution @25 fps for each channel
1.2.4	H264 (MPEG-4 part 10) standard
1.2.5	Hardware encryption according to AES algorithm
1.2.6	Emergency video output streaming (H264 with configurable bit rate for each channel)
1.2.7	Digital input for alarm signal
1.2.8	Independent power supply circuit

1.3 Transferring of onboard images:

1.3.1	Removal of SD card mass memory or the complete onboard computer
1.3.2	Through the depot Wi-fi connection
1.3.3	Through a local Ethernet connection (available on the onboard computer)

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Appendix 4:

Automatic Passenger Counting System

Technical Appendix VII section 6.8.6 (page 423)

Date:

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Make & Model:

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Chassis No:

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Year of Manufacture:

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Maximum seating capacity:

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1. Automatic Passenger Counting system

1.1 Thetis APC050 automatic passenger counters

1.1.2 A sensor bar which is installed above each door

1.2 The internal Microprocessor performs:

1.2.1 Detection of the "shapes" crossing the door

1.2.2 Processing of the acquired signal level curves in order to detect the number of passengers crossing the door

1.2.3 Detection of direction (in/out)

1.2.4 Communication with UPL090 in order to acquire the door status (open/closed) and to send the number of counted passengers

1.3 APC050 provides the following accuracy:

1.3.1 Passenger error $\leq 5\%$

1.3.2 Entry balanced passenger error $\leq 10\%$

1.3.3 Exit balanced passenger error $\leq 10\%$

1.3.4 Internal firmware can be updated "over the air" and different configurations can be set depending on vehicle type

1.3.5 APC050 are directly interfaced to the UPL090

1.4 APC050 main features:

1.4.1 Microprocessor based counting processing

1.4.2 Double rows of infrared LED sensors to detect number and direction

1.4.3 Modular architecture for use on different door sizes

1.4.4 2 serial RS485 interfaces for multidrop connection to the onboard computer

1.4.5 Power voltage: 16 % 30 Vcc

1.4.6 Temperatur range: -20°c % $+70^{\circ}\text{c}$

1.4.7 Material: estrude alluminium bar

1.4.8 Protection: IP54

1.4.9 Certifications: e, CE, RoHs