

BUS REPLACEMENT POLICY

Item B-IS (38-2007) MC 11/10/2007	ADOPTION OF A BUS REPLACEMENT POLICY FOR THE EMM MUNICIPAL BUS SERVICES
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RESOLVED:

1. **That** the report on the adoption of a Bus Replacement Policy for the EMM Municipal Bus Services **BE NOTED**.
2. **That** the proposed Bus Replacement Policy, as set out in the report, **BE APPROVED** and **ACCEPTED** for the replacement of the bus fleet of the Ekurhuleni Metropolitan Municipality Bus Services, subject to budgetary provision.

BUS REPLACEMENT POLICY FOR THE EMM MUNICIPAL BUS SERVICES

1. No bus older than 15 years may be used if it is not rebuilt or rehabilitated which must be done before the bus reaches the age of 15 years.
2. The age of a bus shall be determined from the date of first registration of the chassis.
3. A rebuilt bus is defined as having a new body built on a rebuilt chassis and that all the compulsory standards applicable as laid down by the SABS Standards Act, Act 29 of 1993, and the Road Traffic Act, Act 29 of 1989 are met and that the vehicle complies with the following:
 - 3.1 Body
 - (a) Body superstructure conforming to SABS 1563: 1992 roll-over protection requirements;
 - (b) New lights conforming to SABS 1046: head lights, front position, front end outline, identification, front rear and side indicators, rear position and stop, reverse, high mounted stop, rear end outline, number plate;
 - (c) Rear reflectors and side reflectors (where fitted) conforming to SABS 1046;
 - (d) Chevron conforming to SABS 1329;
 - (e) Seats and anchorages conforming to SABS 1564;
 - (f) Seat belts on all unprotected seats conforming to SABS 1080/1430;
 - (g) Class II rear view mirrors conforming to SABS 1436;
 - (h) Laminated windscreen/s to SABS 1191, and shatterproof windows to SABS 1193; partitions conforming to SABS 1193/1472;
 - (i) Emergency exits to have an unimpeded opening of 450mm x 900mm above and/or between backrests, decals facing inside and outside to be fitted to all emergency exits (50mm letter size);
 - (j) Minimum ceiling height 1,75m;
 - (k) Individual axle mass loads to be established and mass distribution to be within permissible limits, seated and standing passengers to be based on 68kgs per passenger, with luggage based on 100kgs per cubic metre;
 - (l) Notices with permissible number of seated and standing passengers, and luggage where applicable (75mm letter size);
 - (m) Steps and floors to be covered with non-slip material; engine bonnets to be secure and correctly fitted.
 - 3.2 Electrical
 - (a) New wiring harness to be fitted;
 - (b) Wiring conforming to SABS 1376 and electrical connections to SABS 1327.
 - 3.3 Mechanical
 - (a) Chassis stripped and cleaned (either shot-blasted or sand-blasted);
 - (b) Cracked components to be replaced; loose rivets or bolts to be replaced to QEM specifications;
 - (c) Bent chassis members to be straightened;
 - (d) Full paint treatment to be applied to chassis;
 - (e) Reconditioned or new engine, fuel pump, compressor, gearbox, radiator, alternator, starter motor, steering pump and box, differential, front and rear axles, steering components, to be fitted, to QEM specifications;
 - (f) Springs to be scragged and shock absorbers be replaced;

- (g) New colour-coded air hoses are to be fitted throughout, with reconditioned brake valves;
 - (h) Air reservoirs and fuel tanks to be cleaned;
 - (i) Fuel pipes are to be renewed;
 - (j) New tyres to be fitted to front wheels, and new or newly retreaded tyres to rear wheels, all with the same tread patterns.
4. A rehabilitated bus means that only the floor and the inner and outer cladding of the body may be removed to facilitate close examination and repair of the superstructure framing. The vehicle must comply with the following:
- 4.1 Body rehabilitated by a registered bus body builder
 - (a) Lights conforming to SABS 1046: head lights, front position, front end outline, identification, front rear and side indicators, rear position and stop, reverse, high mounted stop, rear end outline, number plate;
 - (b) Rear reflectors, and side reflectors (where fitted) conforming to SABS 1046;
 - (c) Chevron conforming to SABS 1329;
 - (d) Seats and anchorages conforming to SABS 1564;
 - (e) Seat belts on all unprotected seats conforming to SABS 1080/1430;
 - (f) Class II rear view mirrors conforming to SABS 1436;
 - (g) Laminated windscreen/s to SABS 1191, and shatterproof windows to SABS 1193, partitions conforming to SABS 1193/1472;
 - (h) Emergency exits to have an unimpeded opening of 450mm x 900mm above and/or between backrests, decals facing inside and outside to be fitted to all emergency exits (50mm letter size);
 - (i) Minimum ceiling height 1,75m;
 - (j) Notices with permissible number of seated and standing passengers, and luggage where applicable (75mm letter size);
 - (k) Steps and floors to be covered with non-slip material; engine bonnets to be secure and correctly fitted.
 - 4.2 Electrical
 - (a) Electrical wiring to be reworked and is in safe working order.
 - 4.3 Mechanical
 - (a) Chassis to be inspected *in situ*;
 - (b) Cracked chassis members to be replaced, to QEM specifications;
 - (c) Bent chassis members to be straightened;
 - (d) Springs to be scragged and shock absorbers be replaced;
 - (e) Air reservoirs and fuel tanks to be cleaned;
 - (f) Fuel pipes are to be renewed; and
 - (g) New tyres to be fitted to front wheels and new or newly retreaded tyres to rear wheels, all with the same tread patterns.
5. A fully rebuilt bus shall be deemed to be three (3) years old on the date of the completion of the rebuilding and a rehabilitated bus shall be deemed to be eight (8) years old on the date of the completion of the rehabilitation.
6. No bus with a chassis age of more than twenty seven (27) years may be operated.

In view of the fact that the EMM has no policy in place at present, it is suggested that the above requirements be accepted and approved by Council and form the basis for the EMM bus replacement policy and that this policy be amended from time-to-time in order to comply with amendments to the Road Traffic Act, Act 29 of 1989 and the requirements of the SABS Standards Act, Act 29 of 1993.