

AUSTRALIAN  
MOTOR VEHICLE  
CERTIFICATION BOARD

COMPRISING AUSTRALIAN AND STATE AUTHORITIES

CIRCULAR NO. 36-1-1  
GENERAL INFORMATION RELATING  
TO COMPLIANCE WITH  
AUSTRALIAN DESIGN RULE NO. 36 -  
EXHAUST EMISSION CONTROL FOR HEAVY DUTY VEHICLES  
(INITIAL CERTIFICATION)

INTRODUCTION

1. All petrol-fuelled motor vehicles manufactured on or after 1 July 1978, except passenger cars and derivatives, multi-purpose passenger cars, those with an engine displacement of less than 850 millilitres, motorcycles, specially constructed vehicles and vehicles exceeding 4.5 tonnes gross vehicle mass, shall comply with Australian Design Rule No. 36 - Exhaust .Emission Control for Heavy Duty Vehicles.
2. In addition, all petrol-fuelled multi-purpose passenger cars manufactured on or after 1 January 1979 except those with an engine displacement of less than 850 millilitres, and all motor vehicles exceeding 4.5 tonnes gross vehicle mass which are manufactured on or after 1 July 1979, shall also comply with ADR 36.
3. For vehicles manufactured on or after these dates, it will be necessary for manufacturers to have obtained an approval from Administrator in respect of ADR 36 by means of submission of evidence of compliance.
4. The Administrator will issue a Certificate of Approval for an engine family when compliance has been established to the satisfaction of the Administrator. A vehicle manufacturer may call up such a Certificate of Approval in his application to the Australian Motor Vehicle Certification Board for Compliance Plate Approval.
5. The submission to the AMVCB should be made on Form CS36, which will be available at a later date.
6. The Design Rule offers four alternative methods of demonstrating compliance to the Administrator:
  - a. the conduct of the detailed tests described in the Design Rule, or
  - b. satisfying the Administrator that the engine has a valid approval issued by the Environmental Protection Agency (U.S.A.) with regard to Federal. Regulation Part 85 - Control of Air Pollution, for 1974, 1975 or 1976 model year engines, or

- c. satisfying the Administrator that the engine has a valid approval issued by the State of California (U.S.A.) Air Resources Board for 1972, 1973, 1974, 1975 or 1976 model year engines, or
- d. satisfying the Administrator that the engine has a valid approval issued with respect to other standards, equal to or more stringent than this Design Rule, which the Administrator has agreed to accept.

In addition to the model years referred to in (b) and (c), the Administrator may accept approvals referred to other model years, at his discretion.

#### SUBMISSION OF EVIDENCE BASED ON TESTS

7. The application will be divided into three parts:

a. Submission EC36 Part I:

This part will relate to the identification of engine families, the selection of test engines, approval of laboratories, method of service accumulation, etc. It is preferred that EC36 Part I be submitted as a single complete document since no authority to carry out testing can be given prior to the receipt of the completed Part I. Any prior testing carried out without the authority of the Administrator will not be recognised for the purpose of establishing compliance.

b. Submission EC36 Part II:

This part will relate to the submission of the reports of tests conducted on the test engines selected by the Administrator. A Part II submission will be necessary for each test conducted and these should be forwarded to the Administrator as soon as practicable after the test is completed. Thus Part II will normally be submitted in stages as test information becomes available.

c. Submission EC36 Part III:

This part will represent a summary of all information received and approved by the Administrator since the submissions of Part I.

#### GENERAL INSTRUCTIONS FOR SUBMISSIONS EC36 PART I, PART II AND PART III

8. One complete copy of Part I, Part II and Part III as well as any revisions, are to be submitted to:

The Chairman;  
Australian Motor Vehicle Certification Board,  
Box 5232BB,  
MELBOURNE, Vic, 3001

9. The forms EC36 Part I, Part II and Part III will be suggested formats. Manufacturers are not required to use the suggested forms but use of this format will expedite the examination process. All applications should be presented on international A4 paper or reasonable equivalent (drawings excepted).

10. Whenever a revision is made to an application, the entire page containing the revision, including the

date of revision, should be submitted along with marked up copies of the previous effective pages to indicate the revisions. The revisions should be accompanied by a covering letter which summarises the changes.

11. If particular sections of multiple applications are identical, they may be reproduced for inclusion in each separate submission. Alternatively, they may be adequately cross referenced provided at the time of receipt by the Administrator, any such cross reference to the original document is in the Administrator's possession.

#### SUBMISSION OF EVIDENCE BASED ON EPA CERTIFICATION

12. For those manufacturers who propose to obtain approval on the basis of EPA Certification, (6(b)above), it will be necessary to submit the following documentation:

- a. Form EC36
- b. EC36/A Annex A
- c. A Part III Application
- d. EPA Certificate of Conformity
- e. The following sections from the manufacturer's application for certification to EPA
  - i. Engine Family Description - Section V (Part I Application)
  - ii. Family Sales - Section VI (Part I Application)
  - iii. Test Engines (Gasoline) - Section VII (Part I Application)
  - iv. Engine Log Sheets (Gasoline Engines) - Item I of Section III (Part II application)
  - v. Emission Data Engines Calculations (Gasoline Engines) - Item 3 of Section III (Part II Application)
  - vi. Maintenance Instructions - Section IV (Part II Application)

13. The above references to the EPA Format (e) refer to the 1975 Model Year Application Format. Equivalent information should be provided for other model year applications. Any revisions up to the date of approval by the EPA should be included and copies of all conditions referenced on the Certificate of Conformity should be provided.

#### SUBMISSION OF EVIDENCE BASED ON CALIFORNIA AIR RESOURCES BOARD CERTIFICATION

14. For those manufacturers who propose to obtain approval on the basis of an approval issued by the State of California (U.S.A.) Air Resources Board (6(c) above), it will be necessary to submit the following documentation:

- a. FormEC36
- b. Form EC36/A Annex A

- c. A Part III Application
- d. Air Resources Board Executive Order
- e. Information from the manufacturer's application no less detailed than shown in 12(e) above.

15. The submission should include any reasons up to the date of approval by the Authority, and copies of any conditions referenced on the Executive Order.

SUBMISSION OF EVIDENCE BASED ON OTHER STANDARDS

16. Any manufacturer proposing to obtain approval on the basis of approvals issued with respect to other standards equal to or more stringent than ADR 36, should submit full details of the proposal, the standard concerned, and Part I Annex A, to the Administrator for consideration. The acceptance of such an approval is at the discretion of the Administrator.

REQUESTS FOR APPROVAL OF ADMINISTRATOR

17. In all cases where the approval of the Administrator is required under the terms of the Design Rule, then all such requests shall be made in writing. In some circumstances the manufacturer may desire the Administrator's approval as a matter of urgency and in these cases it will be acceptable to seek his approval by telex, cable or telegram. Approvals will not be given on the basis of verbal requests. The telex address is:

30864 Chairman, AMVCB.

Answer Back - TRANS AA 30864.