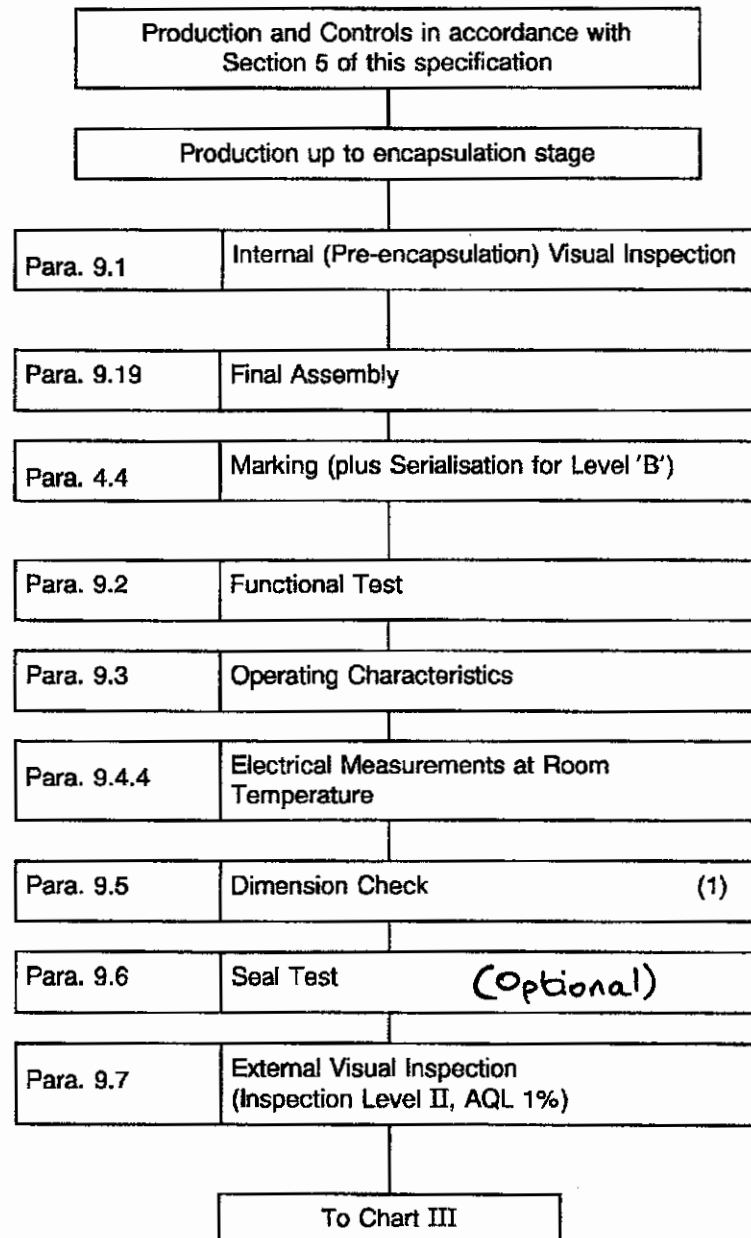


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CHART II - FINAL PRODUCTION TESTS

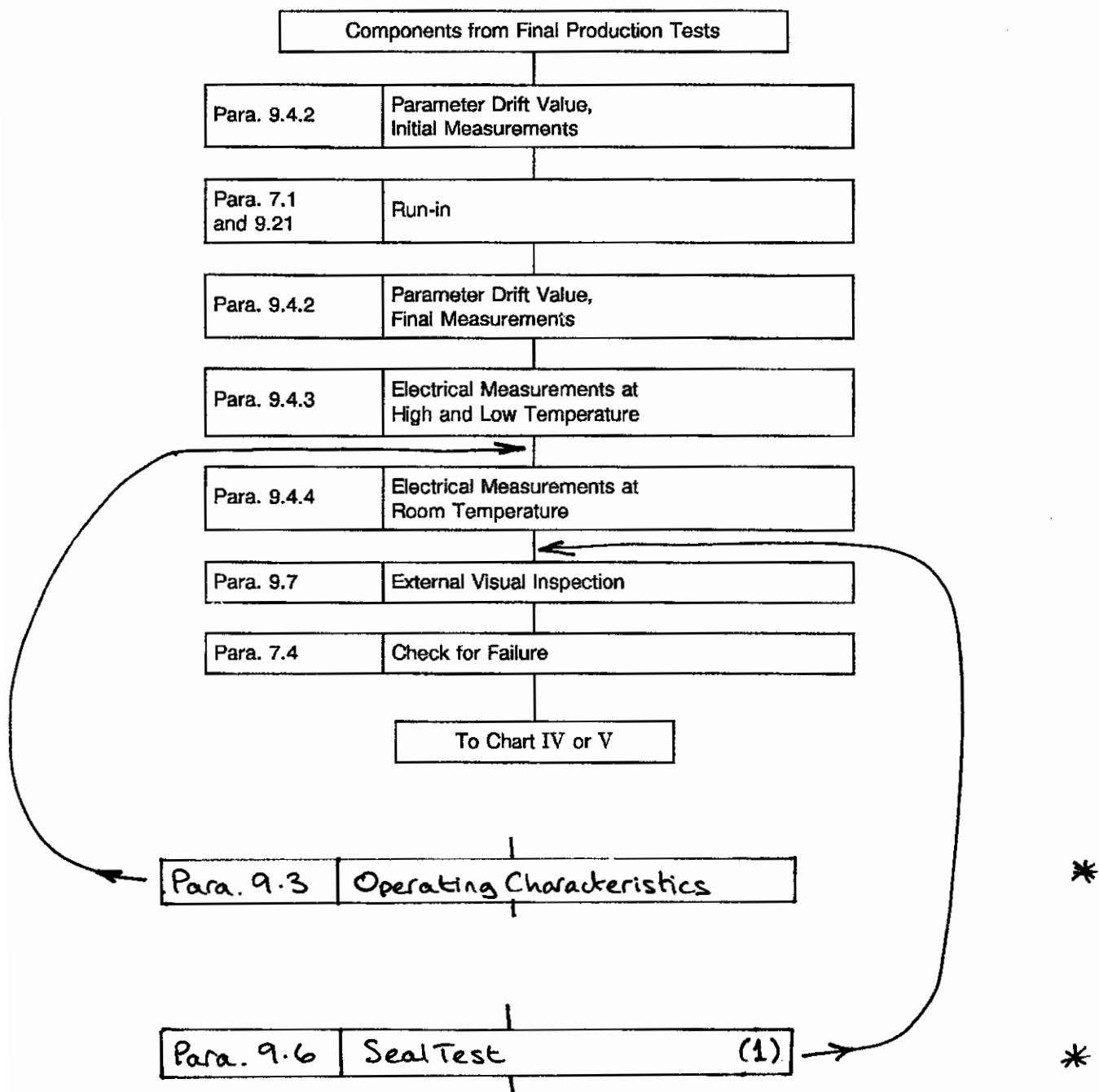


NOTES

1. This test may take place at a different stage of the sequence.

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CHART III - SCREENING AND ELECTRICAL MEASUREMENTS



NOTES

1. Seal Test rejects not to be counted for lot failure



9.11.4 Travels and Forces (for Sensitive Switches)

The following characteristics shall be measured:-

- (a) Actuation force.
- (b) Release force.
- (c) Pre-travel.
- (d) Over-travel.
- (e) Differential travel.

The point of application of the force applied shall be in the direction of the axis of the actuator. The limits are as specified in the Detail Specification (Table 1(b)).

9.12 DAMP HEAT

Before starting this test, the components shall be subjected to 10 cycles of the test defined in Para. 9.8. No measurements shall be made before or after this cycling.

9.12.1 Procedure

The samples shall be subjected to Test "Db" of IEC Publication No. 68-2-30 for 6 cycles of 24 hours at an upper temperature of +55°C. A DC voltage of 100V or V_N , whichever is less, shall be applied during the cycling between terminals and frame.

9.12.2 Final Inspection and Measurements

After not less than 4 or more than 24 hours, a voltage proof measurement shall be performed and the samples shall be visually examined for evidence of corrosion or obliteration of markings.

9.13 CURRENT CARRYING CAPABILITY

9.13.1 Procedure

The samples shall be placed in a test chamber according to the following requirements:-

- (a) Overload in temperature: +20°C higher than the high operating temperature defined in Table 1(b) of the Detail Specification.
- (b) After the temperature stabilisation of the samples, an overload DC current of twice the maximum rated current shall be applied during 10 minutes on a resistive load without switching operation.

9.13.2 Final Inspection and Measurements

After cooling down to room temperature, the functional test (Para. 9.2) and the contact resistance shall be performed. There shall be no welding, sticking or damage of contacts.