

Evaluation of technical worthiness

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Product Name:	LTE router
Product Model Name:	RUT955
Product Description:	Industrial router
Reference standard according to:	Regulation 118 ECE

Test methods as foreseen by: Regulation 118 ECE

INTRODUCTION

This document reports the cumulative outcome of the documental checks on the relevant components contained in the above material. It has been issued considering the prescriptions of Reg. 118 ECE in connection with the materials that could be possibly submitted to test according to the prescriptions of Annexes VI, VII and VIII of the above Regulation.

It has to be noticed that this evaluation refers solely to the characteristics of fire reaction of components extracted from the apparatus and to its applicability. It does not take into consideration the functionality characteristics of the apparatus itself and/or the compliance to specifications, standards, Regulations, Directives which are outside of what is strictly foreseen by Reg. 118 ECE. Moreover, the evaluations reported apply only to the apparatus in object and they do not take into account any cabling connection towards other apparatuses.

FUNCTIONS AND TECHNICAL DATA OF THE APPARATUS

The object of this evaluation consists of a router. The apparatus is contained in a closed metallic chassis with plastic side panels. The nominal dimensions and the weight of the apparatus are the following ones: 80 x 106 x 46 mm, nominal weight 280g.

The results of the analysis whether the apparatus should be submitted to one or more tests prescribed by Reg. 118 ECE are reported in the following table.

External case of RUT955	Material: Aluminum with ABS+PC panel In accordance with <i>Reg. 118 ECE points 6.2.7.1 and 6.2.7.2</i> it is not necessary to submit this components to the tests in the Annexes VI, VII and VIII
External connectors	The above told connectors are fabricated in plastic material and metal. Their surface and volume does not exceed respectively the area of 300cm ² or 120 cm ³ , considering the most onerous condition foreseen by <i>Reg. 118 ECE (point 6.2.7.3.2)</i>
Miscellaneous internal components	Inside the router parts of electrical / electronic components are contained. It is premised that in any case the shapes / dimensions of such components do not allow the extraction of samples in the dimensions prescribed by Annex VI para 3.1 and Annex para. 3 (see <i>Reg. 118 ECE point 6.2.7.4</i>). Moreover these parts are completely contained in the metallic / plastic case and therefore they are not exposed to any source of flame and / or irradiance.

On the base of the above consideration, the following conclusions are drawn:

CONCLUSIONS

Therefore, following the above considerations, both the apparatus as a whole and its components **ARE NOT SUBJECTED** to any of the tests in Reg. 118 ECE Annexes VI, VII and VIII.

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