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Item 5 (b) of the provisional agenda

Proposals of amendments to ATP:

New proposals

Amendment to model reports that define how to determine the effective refrigerating capacity of a refrigeration unit, in order to take into account the impact of different software versions on the performance of said units

Transmitted by the Government of France

Summary

Executive summary: Test report models No. 12 and No. 13, which define the determination of the effective refrigerating capacity of a refrigeration unit, do not require all the particulars of the different software versions installed in the refrigeration units.

As the performance of the units can be managed by components run by software, there is a need for this software to be part of the test report concerned, since this report is regarded as a type certificate.

Action to be taken: Make the following amendments to the test report models No. 12 and No. 13 **only on condition of prior validation of the proposed amendment on the introduction of type examination certificates as a means of certifying compliance of designs and tests carried out in accordance with ATP.**

Related documents: None

Introduction

1. Report model No. 13, which defines the determination of the refrigeration capacity for liquefied gas refrigeration units, requires the particulars of the control software version.
2. Software other than that already required is needed for operating activities.
3. Considering that the version of the different software of a refrigeration unit has a direct impact on the performance of the units, there is a need to supplement the data in model No.



13 and to harmonize the technical specifications by bringing the data in model No. 12 up to date.

4. In accordance with annex 1, appendix 1, paragraph 6 (a), to the ATP Agreement, the test report is to be regarded as a type approval certificate. Consequently, data supplied by the manufacturer and not measured by the official testing station may be included in a test report, but the external source of the data must be indicated.

5. The French text of ATP as amended on 6 July 2020 was used for the proposed amendments.

I. Proposal

6. In test report model No. 13, before the line “Possibility for Multi-temperature operation: (yes/no)”, add the line “*Software version(s) other than that of the regulator:*^{3,2}”.

7. At the end of test report model No. 13, add the footnote: “³ *Indicate the version of all software used.*”

8. In test report model No. 12, after the line “Automatic device:”, add the line “*Software version(s).*^{5,2}”.

9. At the end of test report model No. 12, add the footnote: “⁵ *Indicate the version of all software used.*”

II. Justification

10. The indication of a software version is already present in the model No. 13. The data in this model should be supplemented. Refrigeration units covered by model No. 12 may be equally affected by the control software.

III. Costs

11. No additional costs are expected for official ATP test stations, or even for manufacturers who must have available the additional parameters required by this proposal as part of their production management.

IV. Feasibility

12. There are no additional requirements for official ATP test stations.

V. Enforceability

13. No problems are foreseen in introducing the proposed amendments to ATP model test reports No. 12 and No. 13.
