

## RESS-3-13 Action Items

| §            | Title                | Action Item   | Responsible   |
|--------------|----------------------|---|---|
| 3.1          | Vibration            | <ul style="list-style-type: none"> <li>Align the text with UN 38.3</li> <li>Introduce minimum limits which are acceptable when RESS installed in a vehicle</li> <li>Conducting the test with the limits described in UN 38.3 should allow to fulfill both requirements with one test</li> </ul> | German Working Group  |
| 3.4.1.2.1.1  | Vehicle based test   | Get feedback from Informal Group on frontal impact regarding the question for which vehicle mass and dimension the test requirements of ECE R12, ECE R94 and ECE R95 are acceptable   | <ul style="list-style-type: none"> <li>Informal Group on frontal impact</li> <li>Secretary RESS</li> </ul>                  |
| 3.4.1.2.1.2  | Component based test | Advise for the right acceleration thresholds in table 5 and 6 by the Informal Group on frontal impact; also considering the presentation from Autoliv   | <ul style="list-style-type: none"> <li>Informal Group on frontal impact</li> <li>Autoliv</li> <li>Secretary RESS</li> </ul> |
|              |                      | Based on the input from France advise from the Informal Group on frontal impact which is the right diagram to describe the pulse for the impact   | <ul style="list-style-type: none"> <li>Informal Group on frontal impact</li> <li>France</li> <li>Secretary RESS</li> </ul>  |
| 3.4.2.2.1.2  | Component based test | Text has to be reworded on the basis of the comments in the working document together with the outcome of the discussion during the third meeting.  | German Working Group  |
| 3.5          | Fire Resistance      | Component test, which is missing, has to be added   | SP  |
| 3.5.2.1      | Conditions           | Provide data about the burning behavior of Heptanes   | SP  |
|              |                      | Provide data about reference fuel   | VW  |
| 3.5.2.1.7.1. | Phase A: Pre-heating | Tests to find out how the pre-heating influences the fire test  | SP  |
| 3.5.2.1.4.   | Phase D: End of test | Rewrite the paragraph in the way <ul style="list-style-type: none"> <li>that the RESS has to be observed for 24 h and</li> <li>during this time period the surface temperature has to be checked for four times.</li> </ul>   | German Working Group  |

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|---|--|---|---|
| 3.7   | Overcharge Protection                    | The text has to be finalized on the basis of the comments in the working document and the comments from the third meeting.  | <ul style="list-style-type: none"> <li>• BMW</li> <li>• SGS</li> <li>• JASIC</li> <li>• UTAC</li> </ul> |
| 3.8.2.1   | Conditions                               | Introduce a footnote to explain the background for the first paragraph of 3.8.2.1   | Secretary of RESS   |
| 3.9.2.1   | Conditions                               | The cooling system during the test shall be deactivated. But deactivating the cooling system may lead already to stop the operation of the RESS. Therefore a description how both possibilities can be handled during the test has to be added. | <ul style="list-style-type: none"> <li>• DC</li> <li>• Renault</li> </ul>                               |
| 3.11.2  | Requirement                              | It has to be checked whether the requirements in ECE R100 regarding Hydrogen Emission consider only a first failure situation or also the normal operation.   | German Working Group  |
| 3.1.<br>3.2.<br>3.4.1<br>3.4.2<br>3.5<br>3.6<br>3.7<br>3.8<br>3.9<br>3.11 | Acceptance criteria<br>&<br>Verification | Define the acceptance criteria and the verification based on the RESS-level (RESS, Pack, Module, Cell)  | OICA  |