



MEETING NOTES
EGEA Working Group 9 – Mobile Air-Conditioning Systems

Wednesday, 7th May 2013, 09h00 – 16h30
EGEA Offices (c/o FIGIEFA)
Boulevard de la Woluwe, 42
BE – 1200 Brussels

Participants:

ABL	Arild Hansen
AICA/Ecotechnics spa	Giovanni Ottantini
AICA/Luvata Italy	Stefano Collavini
AICA/SPX Italy	Alessandro Carluccio
ASA/Hella	Pete Bradley
ASA/Texa spa	Oliver Shilling
STM/Sosnowski	Michal Kotarak

1 Opening and welcome

On behalf of EGEA, Pete Bradley welcomed all participants and in particular Arild Hansen representing the ABL association in Norway. It is reminded to Pete Bradley to include Arild Hansen in the WG 9 distribution list.

2 Approval of the minutes of the last Working Group 9 meeting held on 9th January 2013 in Brussels

- With no further remarks, the minutes of the last WG9 meeting held on 9th January 2013 in Brussels was approved.
- Stefano Collavini was elected to take the meeting minutes.

3 EGEA HFO 1234 specification

- Eléonore van Haute will provide the EGEA HFO 1234 specification in an official form in Word electronic file including the items specified below to all members.
- A relevant image for the front page supplied by Pete Bradley

- An index
- An amendments sheet
- Introduction and scope, chapter 1 and 2 (Pete Bradley is requested to provide a suitable draft text)
- Illustration for the test cylinder to be included in chapter 8.1 “Filling precision/precision of recovery” (Stefano Collavini is requested to provide)
- A references page
- Appendix 1 (Stefano Collavini is requested to provide). This document is an active Excel file, format in a such way that respects the acceptable criteria of the chapter 8.1 “Filling precision/precision of recovery Test Description” and that automatically will display green or red cells (or in other way) to state the pass/fail status of the test. This has been decided in order to avoid misunderstanding in the interpretation of the test description . The Excel file will be available as download in the EGEA web site. An image of the worksheet will be placed as annex 1 in the EGEA specification form.
- Each page needs to have Document name, Document number and Revision number included in the footer as well as the page number.

Pete Bradley will present the final version of the EGEA HFO 1234 Specification to EGEA board in 14th June 2013. All national association members of EGEA are requested to formerly approve it in time.

3.1 WG9 approval of the EGEA HFO 1234 specification

Last changes have been introduced in the specification

- Alessandro Carluccio suggested increasing the accuracy in the reading of the recovered quantity from +/- 15 g to +/- 30 g because the tolerance was too limited. The suggestion has been accepted by the remaining members.
- The test criteria has been revised because of clear conflicts in the test description, in particular in the quantities indicated for the test in each paragraph and in the annex 1 excel file supplied by Andrea Cantadori.

It is been decided to keep only 300 g/500 g/900 g samples deleting 750 g in order reduce the time requested for the test. It is reminded to Pete Bradley to check quantities mentioned in the text of the specification.

The fail criteria contained in the active excel file must be checked for both positive and negative deviations. It is reminded to Stefano Collavini to consider this in the excel file.

The test will be considered passed if, for every single temperature, the deviations of filling quantities, percentage of recovered quantities and display of recovered quantities are out of acceptable range only once over the 9 tests. It is intended that the possible deviation failure over 9 tests refers once for the filling quantities, once for the percentage of recovered quantities and once for the display of recovered quantities.

- The calculation of the average in the values obtained has no sense anymore.
- The discharge limit for non–condensable gases was indicated in different manners in two different paragraphs. The final text has been simplified replacing the text of point 6.12 instead of point 6.16.5 (see revision 09/01/2013 of the specification).

3.2 Testing centre requirements.

Pete Bradley refers that after consultation with EGEA regarding the possibility to define and authorize an accredited EGEA notified body or laboratory, emerged that this possibility would be too much expensive. It remains indeed valid what agreed as option 3 in the Meeting notes of 9th January 2013 .

Still to be decided are the internal procedures for the obtaining of the EGEA approval and label by the equipments manufacturers. Pete Bradley is reminded to identify a procedure proposal to be presented at EGEA board.

4 Best practice document content and format

No topics have been added to the Best Practice document already in place. It has been decided to ask at every member to develop the text (and pictures too) for one or more topics. Pete Bradley will forward to all members the existing best Practice Document indicating the agreed topics assigned during the meeting.

It is reminded to Andrea Cantadori to define a suitable structure for the document, see point 4 of Meeting notes of 9th January 2013.

5 Implementation of Directive 2006/40/EC

The members widely discussed the picture of the situation regarding the implementation of the directive.

Oliver Shilling explained that as far as he knows Daimler is currently manufacturing and selling Class A and B provided with R134a, indeed there is no doubt that they are infringing the Directive. This fact change completely the situation from the past, the question now is not anymore what happens "if" some manufacturers infringes the directive but what happens now that some are infringing.

It's been agreed that Pete Bradley in conjunction with Neil Pattemore shall formulate an EGEA question statement based on the letter from A. Cantadori to Massimo Brunamonti dated 13th March 2013, on the Oliver Shilling information and on the point 5.2 of Meeting notes of 9th January 2013.

The questions document will be then sent to the EGEA national members to be forwarded at every single national authority.

6 Visibility of EGEA W9 on EGEA website

It has been noticed that the WG9 has been included in the active list of EGEA working groups.

It is reminded to Alessandro Carluccio to prepare a pdf file in order to provide EGEA website users with current information etc.... see point 6 of Meeting notes of 9th January 2013.

It is reminded to Eléonore van Haute to provide each member of WG9 with an EGEA website login asap.

7 Any other business

No further remarks raised up.

8 Thank you and closure

- **NEXT MEETING**

The next F2F meeting is to be held in Week 30 in the same format with a dinner on the evening prior to the meeting. Eleonore van Haute is requested to create a Doodle query for this.

- **Thank you and closure**

The Chairman thanked Stefano Collavini for taking the minutes and all participants for an active and productive meeting.
