

MAC Industry Actions

9 December 2008



Stephen O. Andersen

Mobile Air Conditioning Climate
Protection Partnership

R-744 Way Forward Under VDA

- Publish detailed findings for public review
- Reach global agreement with environmental & safety authorities on safe passenger exposure limits, test methods, and assumed interior CO₂ baseline(s)
- Submit vehicle safety mitigation strategy for regulatory review
- Pursue SNAP conditional listing to open global markets respecting US EPA judgment
- Cooperate to resolve any problems identified

R-1234yf Way Forward Under SAE

- Publish detailed findings for public review
- Identify technology for near-zero refrigerant emissions and high energy efficiency systems
 - Superior LCCP, reliable systems, safely serviced
- Put in place standards that can be referenced in SNAP and/or state approval of R-1234yf
- Cooperate to resolve any problems identified

R-1234yf Way Forward USA

- Automakers accelerate commercialization to help satisfy green federal loan conditions
- Associations jump start regulatory approval and help put in place complementary regulations
- OEMs, standards organizations, government partnerships, NGOs, and suppliers continue cooperation on optimizing systems & service
- Teams take forward proven technology to developing countries under carbon trading finance or corporate leadership campaigns

Unfolding 2009 Announcements

- 04 February SAE Dallas Texas
- 05-07 February MACS Dallas Texas
- 11-12 February VDA Saalfelden Austria
- 04-05 March JSAE Tokyo Japan
- 14-16 July SAE Scottsdale AZ
- 29 September VTMS Phoenix AZ

Agree

- “...announced today cooperation aimed at accelerating the commercial introduction of improved air conditioning systems in US and global markets using refrigerant HFC-1234yf which can significantly reduce the carbon-equivalent emissions of greenhouse gases while increasing vehicle fuel efficiency.”

Note to readers not attending the 9 December 2008 meeting:

All but four of seventy plus participants agreed that HFC-1234yf is the refrigerant-of-choice to replace HFC-134a in motor vehicle AC. MACCPP chairs will put forward an elaborated plan at the February Mobile Air Conditioning Society Worldwide meeting 5-7 February 2009 (www.macsw.org). The above draft text of a press release will be perfected by automobile companies and other organizations wishing to join the transition to HFC-1234yf. Contact Stephen Andersen for details (andersen.stephen@epa.gov).

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