

# SAE Cooperative Research Program

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# SAE Cooperative Research (CRP)

Joint venture projects where numerous organizations pool their resources to study a pre-competitive technical area where results are shared by the participants.

# SAE Cooperative Research (CRP)

The CRP Program was started in 1989 and has administered over 60 projects.

Majority of projects are tied to Standards efforts

- Pre (acquire needed data)
- During development (test assumptions or performance levels)
- Post (validate the standards or products made to the standards)

# SAE Cooperative Research (CRP)

- Flexible
- Customized to Meet Required Needs
- Take Advantage of SAE's Already Established Infrastructure
  - Business Services
  - Access to Industry Experts

# SAE Cooperative Research (CRP)

## Services

- SAE can bring together prospective partners to plan projects
- SAE can provide facilities and staff services for meetings
- SAE can provide a legal forum where industry can meet and provide administrative help for legal issues
- SAE can provide project management and coordination
- SAE provides government contracting expertise

# SAE Cooperative Research (CRP)

## Services

- SAE takes on the role of subcontractor administrator
- SAE can set up escrow accounts for project funding and acts as the “bank” for project fiscal issues
- SAE has a mature and well recognized information dissemination framework
- SAE will ensure conformance to the National Cooperative Research Act

# SAE Cooperative Research (CRP)

## Candidate Project Characteristics

- Interest by 3 or More Companies
- Pre-Competitive Issue
- Group Understands They Need to Pay to Play or They Need to ID Funding Source
- Clear Deliverable Result

# SAE Cooperative Research (CRP)

- Extensive History of Alternative Refrigerant and MAC Projects
  - 134a Compatibility
  - ARCRP Phase I and II
  - I-MAC (Emissions, Solar Loads, Efficiency, Servicing)
  - 152a Flammability
  - CRP150 Risk Assessment, Chemical & Material Compatibility, System Efficiency
  - CRP1234yf -1 Risk Assessment
  - CRP1234yf -2 Chemical & Material Compatibility
  - CRP1234yf -3 Additional Risk Assessment and Flammability Studies



# SAE Cooperative Research (CRP)

SAE Offers Our Services To  
Develop and Administer  
Any New Projects  
To Assist In Moving Forward  
With This Group's Efforts

# SAE Cooperative Research (CRP)

## Possible Project Areas

- **MAC Fuel Efficiency Testing**
  - \*Facility Correlation
  - \*Test Procedure Development
  
- **Correlation of Real World vs Test Lab Conditions**
  
- **Consumer Decisions**
  - \*Efficiency of A/C On or Off or Mode of Operation
  - \*Efficiency of Windows Up or Down

# SAE Cooperative Research (CRP)

## How to Get Started

- Form a committee and identify a leader
- Develop a common project scope with clear deliverables
- Develop a budget to meet the scope requirements
- Identify willing funding partners from industry and/or government
- SAE will solicit and collect funds
- SAE will establish contracts with appropriate subcontractors, administer the contracts, handle financial transactions with approval of project leader and disseminate the project results

# Contact Information

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