**1. Bibliographic Data**

**Title:** Organisation and Communication Problems in Automotive Requirements Engineering

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**2. Theme of the Paper**

**Scientific area:** Requirements Engineering in the Automotive Industry

**Specific topics:**

* communication and organisational challenges in automotive RE
* the impact of distributed teams, unclear responsibilities and abstraction gaps
* empirical analysis of RE issues via case studies and surveys

**3. Synthesis of the Paper**

**Motivation and importance:**  
This paper addresses how automobile projects, with their inherent programmatic complexity, geographically dispersed teams and multiple stakeholders, map into severe communication as well as organisational challenges in RE. It plays a very important role in product quality and safety in the automobile industry, yet these challenges aren't well understood and resolved.

**Background and state of the art:**  
Past studies identified overall RE issues and communication issues but empirical studies in an auto industry environment are lacking. The study contributes to research by linking identified RE issues with structural issues of organisations and by using a multiple case study approach (interviews and validation surveys) to provide certain evidence.

**Main Findings and Novelty:**  
The study identifies seven key challenges:

* lack of product knowledge in early phases
* lack of context knowledge at lower abstraction levels
* unconnected abstraction levels between the more high level and detailed requirements
* insufficient communication and feedback channels
* lack of common interdisciplinary understanding
* unclear responsibilities and organisational borders
* insufficient resources for understanding and maintaining requirements

These conclusions that I described are new in detailed categorisation empirical validation in the automotive context

**Main Conclusions and Discussion Points:**  
The report finds car RE plagued by layered communication and organisational issues. There must be greater cross function communication, formalization of agreements, greater traceability and resource allocation mechanisms in place. The authors also provide an agenda of future research to continue to study and solve these issues as well.

**4. Questions and Reflection**

**Questions raised:**

* how can companies implement structured communication channels and formal role definitions in a more kind of highly distributed teams?
* what practical methods can make the connection between the abstraction gap that exists in between the high level requirements and low level technical details?
* can these identified challenges be generalized to other large scale, regulated domains beyond the automotive industry?

**My opinion:**  
The paper provides a kind of based on evidence insight into some real world challenges in automotive RE. The categorisation of problems and connection to both empirical data and related literature makes it a valuable resource mainly for practitioners.

**What to retain for professional practice:**

* the challenges that I identified serve as a critical checklist for organisational and communication problems in complex projects
* the multi case study methodology offers an approach that can be used in other situations to try to solve similar issues in other domains
* the proposed solution directions such as better communication and improved traceability can be good for both research agendas and practical improvements in RE