

DELIVERABLE REPORT

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DISSEMINATION LEVEL: **CONFIDENTIAL**
TITLE: **UPDATED QUALITY ASSURANCE & RISK MANAGEMENT PLAN**

DATE: **01/08/2015**
VERSION: **FINAL**
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PROJECT TYPE: **THEME 7 TRANSPORT – GC.SST.2013-5**
INTEGRATION AND OPTIMISATION OF RANGE EXTENDERS ON ELECTRIC VEHICLES

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PROJECT TITLE: **CONFIGURABLE AND ADAPTABLE TRUCKS AND TRAILERS FOR OPTIMAL TRANSPORT EFFICIENCY**

PROJECT START DATE: **01/09/2013**
PROJECT WEBSITE: **WWW.TRANSFORMERS-PROJECT.EU**
COORDINATION: **VOLVO (SE)**
PROJECT MANAGEMENT: **UNIRESEARCH (NL)**

Executive summary

Within the TRANSFORMERS project, there is a specific task mentioned for the quality check of the results of the project, Task 1.3 – Technical coordination. During spring 2015 Paul Adams (Volvo) took over technical coordination from Marcus Elmer (Volvo) as leader of this task.

This document D1.5 Updated Quality Assurance & Risk Management Plan is the scheduled update of D1.4 Quality Assurance & Risk Management Plan. The update includes the project quality process, the risk management process adopted, and the TRANSFORMERS risk register.

The project coordinator is responsible for technical coordination and scientific quality assurance throughout the project. This task involves monitoring of the technical progress, coordinating input/output flows between the various work packages and tasks, and risk monitoring. When necessary corrective actions will be taken including potential work reallocation. Monitoring of the technical progress will be done on the basis of six monthly reports prepared by the WP leaders that include a deliverable and milestone review template prepared by UNR. Corrective actions will be coordinated and agreed by the project coordinator and the executive board consisting of the WP leaders. In addition, the project coordinator monitors the quality of technical deliverables. For this purpose an approval procedure was defined during the TRANSFORMERS kick-off meeting. In general this procedure will require the WP leader to check/review the technical contents and the fit to the WP DoW, before being approved by the technical coordinator. The project manager will ensure that the work fits into the overall project.

A project risk management plan has been adopted by the project, led by the technical coordinator. The risk management plan is an on-going or living process which is continuously updated throughout the life of the project to monitor known risks, identify emerging risks, and where necessary to respond to them. The definition of probability for project risk assessment has been clarified. As part of the risk management plan, a TRANSFORMERS risk register has been compiled from risks identified in the DoW, deliverables to date, and from risks which have been identified during the course of the project.

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Appendix 1: TRANSFORMERS Risk Register

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A1.2 Risks Identified in Deliverables

A1.3 42 Month Timeline Risk Assessment (June 2015, with August 2015 update)

Appendix 2: Current TRANSFORMERS 42 Month Time Line for Critical Activities

Acronyms

| | |
|-------|-----------------------------------------------------------------------------------------------------------------------|
| CO | Confidential |
| DMO | Demonstration, management and other costs |
| DoW | Description of Works |
| EB | Executive Board |
| EC | European Commission |
| EMC | Electromagnetic compatibility |
| EMG | Electric motor generator (electric machine) |
| FP7 | Framework Programme 7 |
| HoD | Hybrid on demand, distributed electric driveline |
| PU | Public |
| QA | Quality assurance |
| RE | Restricted |
| RTD | Research and technological development costs |
| T-EBS | Trailer electronically controlled braking system |
| TGB | Transfer gear box (transfers power, and provides speed and torque conversions from the EMG to the trailer drive axle) |

4 Acknowledgement



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http://cordis.europa.eu/fp7/cooperation/home_en.html

<http://ec.europa.eu>

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| | |
|---------|------------------------------------------------------------------------------------------------|
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| BOSCH | ROBERT BOSCH GMBH |
| DAF | DAF TRUCKS NV |
| FEHRL | FORUM DES LABORATOIRES NATIONAUX EUROPEENS DE RECHERCHE ROUTIERE |
| FHG | FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V |
| IFSTTAR | INSTITUT FRANCAIS DES SCIENCES ET TECHNOLOGIES DES TRANSPORTS, DE L'AMENAGEMENT ET DES RESEAUX |
| IRU | IRU PROJECTS ASBL |
| P&G | PROCTER & GAMBLE SERVICES COMPANY NV |
| SCB | SCHMITZ CARGOBULL AG |
| TNO | NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK (NL) |
| UNR | UNIResearch BV (NL) |
| VEG | VAN ECK BEESD BV |
| VIF | KOMPETENZZENTRUM - DAS VIRTUELLE FAHRZEUG, FORSCHUNGSGESELLSCHAFT MBH |

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