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FOR AEROSPACE INDUSTRY

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Report on evaluation results of first phase

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Executive summary

This document is part of the tasks of the WP9, whose purpose is the Evaluation and Validation of project results.

The main objectives of the work package concern the interaction between research and usage. Based on the requirements defined in WP2 (Requirements analysis and management) two phases of validation are planned as a significant objective to assess the success of the project: The validation of the components and the integrated system. The evaluation is split up in two phases to have the chance to influence further activities due to a first phase of evaluation in the middle of RepAIR runtime. This document represents the results of first phase of evaluation and the finality is to check if the project meets the requirements and initial objectives.

The introduction (chapter 1) offers a general summary of the interim evaluation, target and purpose. Within WP2 requirements were analyzed and defined that were needed to achieve the objectives of the different components, scenarios and expected results. This has been the starting point for the evaluation of results and be treated in depth in the deliverables of the WP2.

In Section 2, “Methodology”, the approach methodology for this first evaluation is explained. The main steps of this methodology are:

- Analysis of requirements
- Checking compliance with requirements of components and results of RepAIR
- Definition and assessment of Key Performance Indicators (KPIs)
- Conclusions

Section 3, “Prototypes Architectures evaluation”, details the current status of the tools and components that have been considered to evaluate within this first phase. For it, there have defined criteria that allow evaluate the state of implementation of every component in relation to the requirements defined in other work packages especially the WP2. The purpose is to verify if all the original objectives are covered with the development of the planned components as well as actions to be performed to ensure that each component can get properly the end user. In addition, it is possible to determine whether the requirements defined to date are adequate, we must redefine them or it is necessary new some so it is essential to provide feedback process

In Section 4, “KPI definition and assessment”, the KPIs are defined that will be used to evaluate the components and results development. The KPIs have been defined by the partner’s experts in each of the results, both development as knowledge, provided in the RepAIR project. It has been checked previously witch of the objectives of the project covers each of these results. From these objectives more appropriate are established indicators enabling to check compliance.



This also allows you to check if all the initial objectives are covered and they can achieve with the developments of the project.

At this stage of the project, many of the components are being developed even though assessing them with the KPIs has not been possible. This will be done in later phases of the project and the results will be presented in the documents of the final evaluation.

Another important issue that has been considered is the definition of indicators by partners who have the role of end users. These partners have contributed to defining indicators to assess the introduction of expected results in their business models.

Finally, in this section, specific indicators have been included to evaluate the quality and the processes of certification, a topic of great interest in the project and which is the basis of study of the WP7.

Section 5, “Conclusions”, presents briefly the conclusions obtained after this first phase of evaluation. These conclusions will allow the chance to influence further activities at runtime to improve their results.