



Decentralised architectures for optimised operations via virtualised processes and manufacturing ecosystem collaboration

**Deliverable 6.3
Standardisation Activities**

Workpackage: 6 – Dissemination, Exploitation and Standardisation

Authors:	Frank Werner (SAG), Vasilis Tountopoulos (ATC), DISRUPT Team
Status:	Final
Date:	30/08/2019
Version:	1.0
Classification:	Public

Disclaimer:

The DISRUPT project is co-funded by the European Commission under the Horizon 2020 Framework Programme. This document reflects only authors' views. EC is not liable for any use that may be done of the information contained therein.

DISRUPT Project Profile

Contract No.: Horizon 2020: LEIT – ICT WP2016-17 - 723541

Acronym:	DISRUPT
Title:	Decentralised architectures for optimised operations via virtualised processes and manufacturing ecosystem collaboration
URL:	http://www.disrupt-project.eu/
Start Date:	01/09/2016
Duration:	36 Months

Executive Summary

DISRUPT implements a cloud-based reference platform for enabling manufacturing enterprises across Europe, operating in the consumer durables & electronics and in the automotive industry, to leverage a holistic manufacturing system for fully connected, automated, and optimised production-flow integration following the *Factories of the Future* paradigm. This is done by providing a generic software architecture that enables the envisioned Industrie 4.0 concept, and reference architecture models such as RAMI4.0 **Errore. L'origine riferimento non è stata trovata.**, using a composition of components and provide a reference-set of advanced manufacturing services.

Standardization actions within DISRUPT represent a twofold approach. By mid of the project a collection of standards – which potentially influence the project's technical implementation – has been assessed and taken as the basis of the analysis. Standards that have been collected here are W3C, OMC, MQTT, JMS but also standards from the manufacturing shop floor.

Because a need for defining new standards may arise, a standardization process has been described which has been published along with the interim version of the standardization document D6.2. As it turned out, the established technical solution did not need new standards. This is beneficial as it facilitates the integration with existing solutions and fosters the exploitation of DISRUPT.