

DeSyRe on-Demand System Reliability

Design of the DeSyRe Components and the Reconfigurable Hardware Substrate

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ABSTRACT This document specifies the generic design of a

DeSyRe component in order to be adaptive, self-checking and self-aware, and allow context switching.

It also includes the design of the DeSyRe NoC.

WORKPACKAGE WP5 CONFIDENTIAL Yes

DOCUMENT HISTORY

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| v0.1 | 23-05-2013 | Creation | Draft | WP5 partners |
| v0.2 | 04-06-2013 | Modified outline | Draft | WP5 partners |
| v0.3 | 12-06-2013 | Add NoC content (RECORE) | Draft | WP5 partners |
| v0.4 | 16-06-2013 | Add NoC content (CHALMERS) | Draft | WP5 partners |
| | | Add transient fault-detection (NEUR) | | |
| v0.5 | 16-06-2013 | Add wrapper support for task scheduling | Draft | WP5 partners |
| | | (FORTH) | | |
| v0.6 | 19-06-2013 | Final draft | Draft | WP5 partners |
| v0.7 | 26-06-2013 | Integrating partners' contributions | Draft | WP5 partners |
| v0.8 | 29-06-2013 | Updating YOGI contributions | Draft | WP5 partners |
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