

DISTRIBUTION AND USE OF THE debie1 BENCHMARK PROGRAM

The on-board software for the DEBIE-1 instrument, a satellite-mounted detector of micro-meteoroids and space debris, was developed by Space Systems Finland Ltd under contract¹ to Patria Aviation Oy with the European Space Agency (ESA) as the end customer. The DEBIE-1 instrument, with this software, was flown on ESA's first PROBA satellite.

With the permission of Space Systems Finland Ltd, a copy of the DEBIE-1 software was reduced and converted by Tidorum Ltd into a portable program for use as a benchmark for testing, evaluating, and comparing development and verification tools for embedded real-time programs. Such tools include cross-compilers, program visualization tools, static-analysis tools, and dynamic-analysis tools. This benchmark program is called the "debie1 benchmark". It is a derived product of the DEBIE-1 on-board software.

Patria Aviation Oy, Space Systems Finland Ltd, and Tidorum Ltd hereby allow anyone, without compensation of any form, to use, copy, distribute, and publish the debie1 benchmark, to create derived software by modification or translation of the debie1 benchmark, and to use, copy, distribute, and publish such derived software, all under the following conditions:

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- B. Any publication of any part of the debie1 benchmark or derived software or of any data obtained by using the debie1 benchmark or derived software (including but not limited to results of tests or analyses) shall include the information that the software is based on the DEBIE-1 on-board software developed by Space Systems Finland Ltd for Patria Aviation Oy.
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 - (1) credit Patria Aviation Oy and Space Systems Finland Ltd as the developers of the DEBIE-1 instrument and its on-board software, respectively, and
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¹ Contract reference DEB-FIN-CO-001, issue 1, dated 6.4.1998, and signed 29.4.1998 by Seppo Korpela on behalf of Space Systems Finland Ltd and on 30.4.1998 by Juhani Lehmusvirta on behalf of Patria Aviation Oy, with both Detailed and General Statements of Work annexed.

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E. Any redistribution of the debie1 benchmark or derived software shall impose at least these same conditions on the recipients.

The permissions hereby granted apply only to the debie1 benchmark and to software derived from the debie1 benchmark and do not imply any transfer, reduction, or limitation of the ownership, copyright, or other rights held by Patria Aviation Oy and Space Systems Finland Ltd in the original DEBIE-1 on-board software and in other past or future versions of that software. Note that the DEBIE-1 instrument is also known by the names DEBIE-I and DEBIE. The instrument's on-board software is also known by the name DEBIE DPU software.

Signatures:

 on 5.5.2014

Harri Lähti, Patria Aviation Oy

 on 8.5.2014

Tuomas Talvioja, Space Systems Finland Oy

 on 8.5.2014

Niklas Holsti, Tidorum Ltd

