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Jena, 01. November 2004

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eCos ASSIGNMENT

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Agreed: *Alexander Ne—dalf*
Alexander Neundorf

Date: 01. November 2004

For eCosCentric: *Schulenburg*
Alex Schulenburg

Date: 10 November 2004

JENOPTIK Laser, Optik, Systeme GmbH, D-07739 Jena

[Please print your name here]
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[What year were you born?]
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[Please write a brief description of the contribution]

My contribution consists of a change to Redboot, which enables eCos applications to perfom failsafe updates of firmware images with regard to power loss during the update process. This is implemented by creating a second, redundant version of the FIS table on the flash. Additionally there will be an implementation of a FIS-filesystem for use by eCos applications. This is not finished yet. I have discussed this with Andrew Lunn on the ecos-devel mailing list.

[Which files have you changed so far, and which new files have you written so far?]
Changed:
    packages/redboot/current/include/fis.h
    packages/redboot/current/src/flash.c
    packages/redboot/current/cdl/redboot.cdl

Planned changes, not done yet:
    packages/hal/common/current/src/hal_if.h
    packages/hal/common/current/src/hal_if.c

Some files will be added in the future under packages/fs/fis/ in order to make these new functions available to eCos applications.