```
                        Overview.txt
              Samsung ARM Linux Overview
              ==========================
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Introduction

    The Samsung range of ARM SoCs spans many similar devices, from the initial
    ARM9 through to the newest ARM cores. This document shows an overview of
    the current kernel support, how to use it and where to find the code
    that supports this.

    The currently supported SoCs are:

    - S3C24XX: See Documentation/arm/Samsung-S3C24XX/Overview.txt for full list
    - S3C64XX: S3C6400 and S3C6410
    - S5P6440
    - S5P6442
    - S5PC100
    - S5PC110 / S5PV210

S3C24XX Systems

    There is still documentation in Documnetation/arm/Samsung-S3C24XX/ which
    deals with the architecture and drivers specific to these devices.

    See Documentation/arm/Samsung-S3C24XX/Overview.txt for more information
    on the implementation details and specific support.

Configuration

    A number of configurations are supplied, as there is no current way of
    unifying all the SoCs into one kernel.

    s5p6440_defconfig - S5P6440 specific default configuration
    s5p6442_defconfig - S5P6442 specific default configuration
    s5pc100_defconfig - S5PC100 specific default configuration
    s5pc110_defconfig - S5PC110 specific default configuration
    s5pv210_defconfig - S5PV210 specific default configuration

Layout

    The directory layout is currently being restructured, and consists of
    several platform directories and then the machine specific directories
    of the CPUs being built for.

    plat-samsung provides the base for all the implementations, and is the
    last in the line of include directories that are processed for the build
    specific information. It contains the base clock, GPIO and device definitions
    to get the system running.

plat-s3c24xx is for s3c24xx specific builds, see the S3C24XX docs.

plat-s5p is for s5p specific builds, and contains common support for the
S5P specific systems. Not all S5Ps use all the features in this directory
due to differences in the hardware.

Layout changes

The old plat-s3c and plat-s5pc1xx directories have been removed, with
support moved to either plat-samsung or plat-s5p as necessary. These moves
where to simplify the include and dependency issues involved with having
so many different platform directories.

It was decided to remove plat-s5pc1xx as some of the support was already
in plat-s5p or plat-samsung, with the S5PC110 support added with S5PV210
the only user was the S5PC100. The S5PC100 specific items where moved to
arch/arm/mach-s5pc100.

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