TQ Systems Community BSP Release Notes

Release current

TQ Systems Community BSP Team

November 08, 2013

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Summary

Version 1.x
Release current
Date November 08, 2013
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Target users, developers and integrators
Status some mature, some in progress

BSP Release Notes

This document has the release notes of the TQ Systems Community BSP 1.x which is a communty effort to improve TQ Systems board support based on different 3rd party meta layer supports in OpenEmbedded and Yocto.

- TQ Systems embedded modules
- Poky embedded Linux
- Yocto related

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BSP SCOPE

The scope of this release includes meta-tqs-arm. Please, see in next table the complete supported board list.

Machine	Name	SoC	Layer
qemuarmv6	arm_versatile_1136jfs		meta-tqs-arm
tqma35	TQ System i.MX35 Embedded module (tqma35)	i.MX35	meta-tqs-arm

LINUX KERNEL

Tqs-community-bsp supports the following sources for Linux Kernel:

- **linux-tqs**: Linux Kernel stable mainline (kernel.org) with machine extensions

2.1 Default Linux Providers

The following table shows the default version of Linux Kernel provided by TQ Systems Community BSP for each supported machine.

Board	Kernel Provider	Kernel Version
qemuarmv6	linux-tqs	2.6.34.14
tqma35	linux-tqs	2.6.34.14

2.2 linux-tqs

linux-tqs provides the Linux Kernel 2.6.34.14 from stable mainline (kernel.org) with TQ Systems embedded module extensions.

Please, see in the following table which are the main features supported by stable mainline kernel for each supported machine.

Machine	Basic Feature List
qemuarmv6	ARM-Versatile PB on an ARMv6
tqma35	

U-BOOT

Tqs-community-bsp supports the following sources for u-boot:

- **u-boot-tqs**: provides the U-Boot 2010.06 version with TQ Systems embedded module extensions and configuration patches.

3.1 Default u-boot Provider

The following table shows the default u-boot version and provider for all supported boards.

Board	u-boot Provider	u-boot Version
tqma35	u-boot-tqs	2010.06

3.2 u-boot-tqs

The following table shows the version of U-Boot provided and supported by TQ Systems for each supported machine.

Board	u-boot Version	TQS BSP
tqma35	2010.06	v2010.06-tqma35-0105

USERSPACE PACKAGES

There is a huge number of userspace packages provided by Yocto. The following table shows some version for few highligthed packages.

Package	Board/SOC family	Version
udev	all	172

KNOWN ISSUES

QEMUARMv6 not supported by *runqemu*

MX35 Work in progress; TODO: evaluate udev-172