



# **TQ Systems Community BSP Release Notes**

***Release 1.x-g476b0ea***

**TQ Systems Community BSP Team**

January 23, 2014



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## Summary

**Version** 1.x

**Release** 1.x-g476b0ea

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**Status** some mature, some in progress

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

**Target** users, developers and integrators

## Revision History

Release	Date	Name	Position	Modification
1.x	2013-11-06	Linz		Document created.

## Involved Components

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

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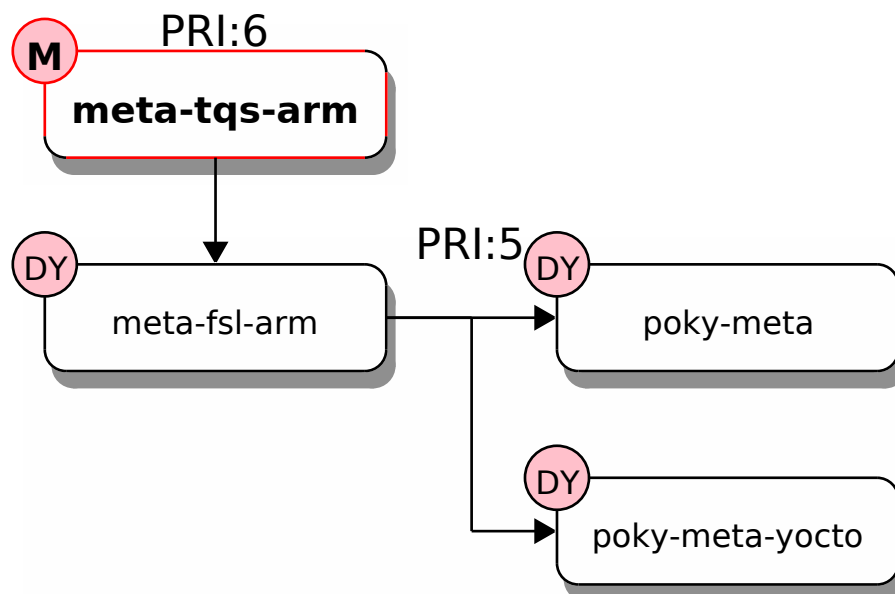
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## BSP SCOPE

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

Machine	Name	CoM	SoC	Layer
qe-muarmv6	ARM-Versatile PB (ARM1136JFS)	qe-muarmv6	QEMU	meta-tqs-arm
tqma35	TQ System i.MX35 Embedded module	tqma35	i.MX35	meta-tqs-arm

### 1.1 Priority of Dependent Layers



No	Name	Description
M	meta-tqs-arm	OE/Yocto BSP layer for TQ Systems ARM based platforms (this).
DY	meta-fsl-arm	OE/Yocto BSP layer for Freescale's ARM platforms: <a href="#">DOC</a> , <a href="#">GIT</a>
DY	poky-meta	Poky Build Tool and Metadata: <a href="#">DOC</a> , <a href="#">GIT</a>
DY	poky-meta-yocto	Yocto Build Tool and Metadata: <a href="#">DOC</a> , <a href="#">GIT</a>

**M** Master branch

**DY** Dylan branch



## 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 highlighted packages.

Package	Board/SOC family	Version
udev	all	172



## KNOWN ISSUES

### **qemuarmv6**

- Qemu ARMv6 is not supported by **runqemu**

### **tqma35**

- Work in progress.