



Baseline Integration Team - Introduction and Status/Roadmap: **GDP Summary**

October 20, 2016 | AMM Burlingame - All Members

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Changhyeok Bae: GDP maintainer.

- **Baselines:** outcome of the compliance program.
 - Yocto baseline (meta-ivi).
 - Baseroack baseline.
- **Master:** rolling release: focused on auto system devs
- **GDP:** GENIVI Development Platform for apps devs.
- **New initiatives.**
 - GDP spins: community driven systems based on Master
 - GDP Software Development environment - SDE: development tools

Master



Why Master?

- Where collaboration takes place.
- Latest automotive software available.
 - In OSS for automotive, GENIVI is upstream.
- Targets FOSS auto system devs. & GDP contributors.
- Build GDP from scratch for your favourite target or customise your build.

What is Master?

- [Rolling release](#) with the latest integrated software for automotive.
- Central integration point.
- Yocto (poky) based.
- Two main repos:
 - [genivi-dev-platform](#)
 - [meta -genivi-dev](#)

GDP: GENIVI Development Platform



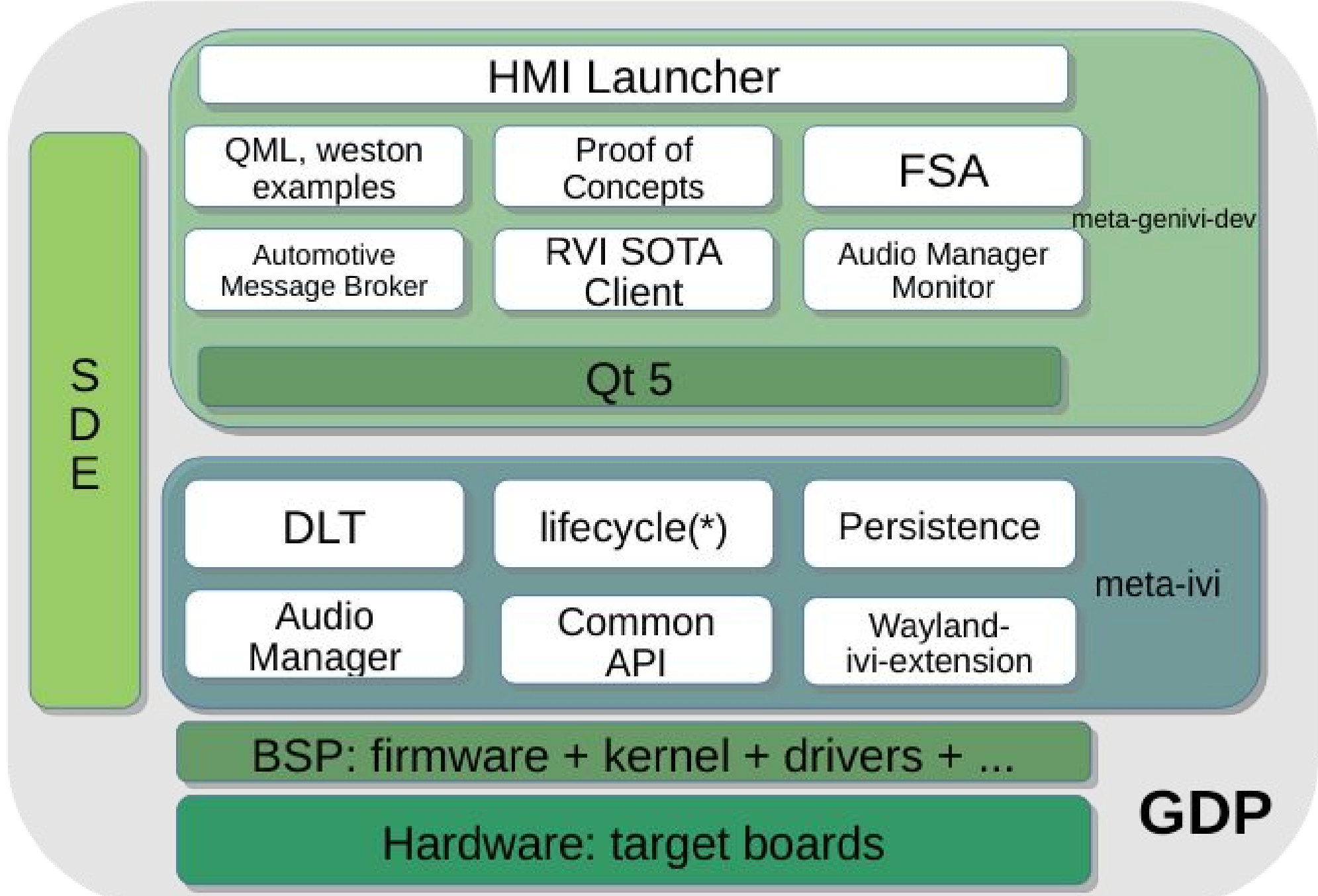
Why GDP?

- It brings GENIVI components for automotive to the masses, including [meta-ivi](#).
- Ideal for app developers and automotive newbies.
- Up to date stable software.
- Easier to consume and improved stability.

What is GDP?

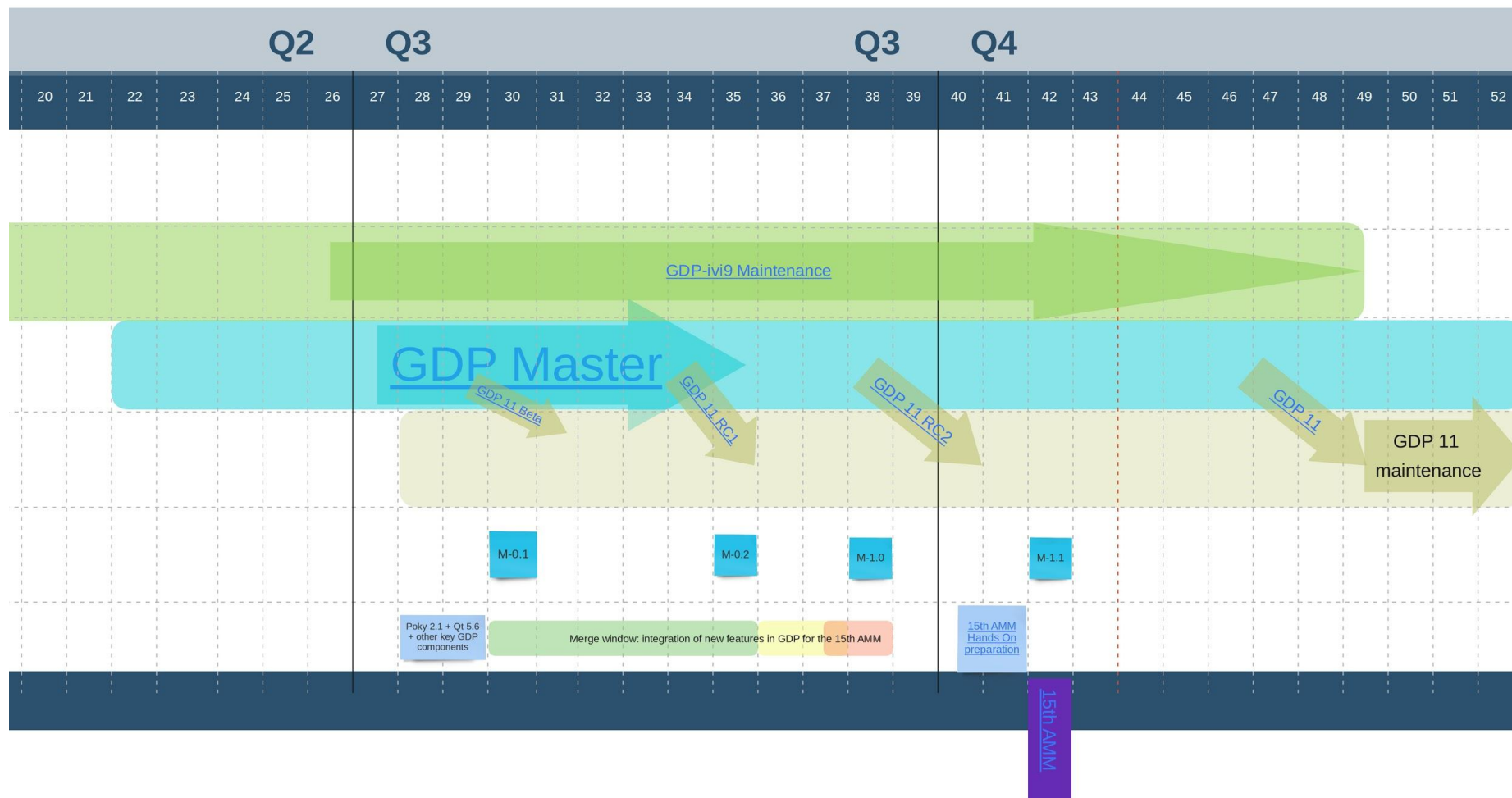
- Acronym of [GENIVI Development Platform](#)
- FOSS and open delivery project.
- Published as binaries.
- GDP is based on Master (snapshot + stabilization).
- Available for several development boards & QEMU.
- Current stable version ([GDP-ivi9](#))
 - Latest release: [GDP 11 RC3](#).

GDP [block diagram](#)...



(*) Not available yet in GDP

GDP 11 Timeline



GDP 11 RC2

- [Released](#) on October 4th 2016. [Download](#) it!
- Demoed for the first time at ELCE.
- [GDP 11 RC2 highlights](#):
 - Software: Yocto 2.1, Qt 5.6, AM 7.0, wayland-ivi-extension 1.10.9 (1.11 pre-release), meta-ivi 11...
 - Ports: QEMU, RPi2 & RPi3, Intel Minnowboard MAX/Turbot and Dragonboard 410c. Also build GDP for Renesas Porter & Silk from scratch.

GDP 11 RC3

- [Released](#) on October 18th 2016. [Download](#) it!
- Demoed for the first time at GENIVI 15th AMM.
- [GDP 11 RC3 highlights](#):
 - New Application launcher and demo apps. Call for testing.
 - System based on RC2 + some new patches like wifi config in RPi3.
 - Available for RPi3 only.
 - Final release will be available for Intel Minnowboard MAX/Turbot, RPi2/3 and Dragonboard 410c. Also build GDP for Renesas Porter & Silk from scratch through Master.

GDP delivery project: other aspects



People behind Master & GDP

Delivery

- GDP maintainers
 - **Changhyeok Bae**, community.
 - **Robert Marshall**, Codethink Ltd.
 - **Tom Pollard**, Codethink Ltd.
 - Community testers.
- Other key people:
 - Meta-ivi & Renesas BSP maintainers, community management, devops/IT service, PMO, delivery team lead, GENIVI architect, LRT team ...

Development

- GENIVI Expert Groups
- Community contributors

Tools GDP project uses today:

- [GitHub](#): git repositories and code review.
- [JIRA](#): bug tracker and task management tool.
- [Confluence](#): wiki and blog.
- [go.cd](#): integration/delivery mgnt.
- [Mailman](#):
genivi-projects@lists.genivi.org
- IRC: #automotive at irc.freenode.net

- New deliverables
 - First release of the Software Development Environment ([SDE](#)) for GDP.
 - First GDP spin: [QtAS](#)
- [Released](#) on October 18th 2016, at GENIVI 15th AMM.



Future of GENIVI delivery program (GDP)

- GDP 11 to be released before end of 2016
 - Consolidation of the new features.
 - Further system stabilization.
- New deliverables: consolidation.
- Infrastructure and services:
 - Improvements in the build capacity and deployment infrastructure.
 - More and better metrics.
 - Acceptance feature testing.

Call for action

- Documentation of the automotive software components
 - Need docu for newbies to extend the content critical path.
- More integration and use cases for the existing automotive components.
 - We have now a nice platform. What for? Make it meaningful for this industry!
- Testing

But above all...

More focus on automotive developers.

Check the latest GDP [news](#).

Interesting links

- www.genivi.org
 - GENIVI [FAQ](#)
 - GDP latest [GDP news](#)
- [GDP Master](#)
 - [genivi-dev-platform](#)
 - [meta-genivi-dev](#)
- Download:
 - [GDP-11 RC2 and RC3](#)
 - [GDP-ivi9](#)

- [Get involved:](#)
 - Get [the sources](#)
 - Contribution [policies](#)
 - Report [bugs](#)
- Follow up
 - Delivery status [reports](#)
 - [GDP overview](#) (weekly)
 - GDP [Out There](#)

Questions?

Call for testing

[GDP 11 RC3](#)