

Coordinating requirements engineering and quality assurance in a complex release planning context: Experience from Sony Mobile

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Outline

1. Sony Mobile and surrounding ecosystem
2. Release planning at Sony Mobile
3. Reflections from 10 years at Sony Mobile
4. Conclusion



Sony Mobile and surrounding ecosystem



SONY
make.believe


ERICSSON



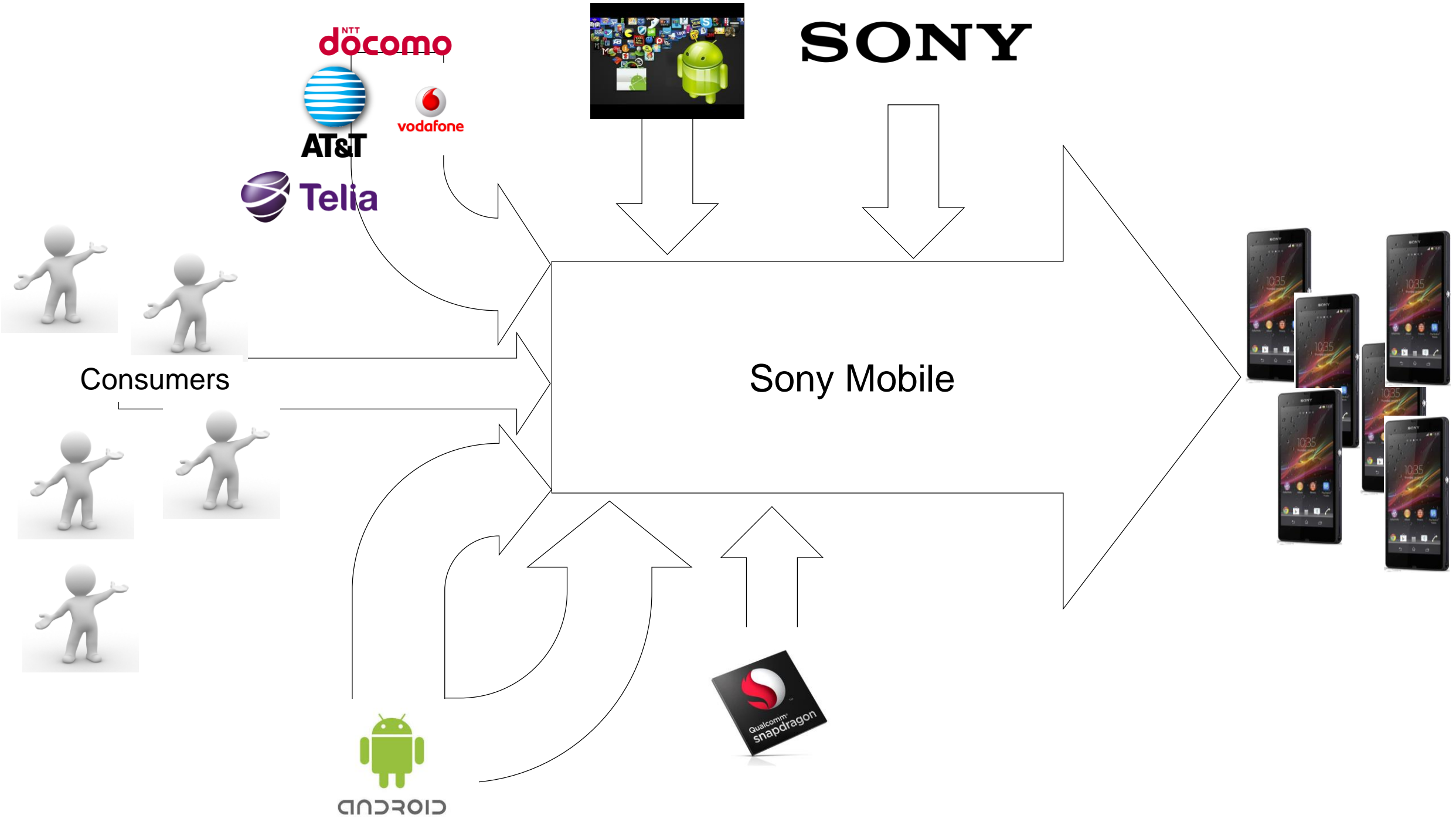
Sony Ericsson



XPERIA
Sony Smartphone



- Ericsson and Sony developed mobile phones independently from each other starting in the 1980-ies
- Sony Ericsson was a Joint Venture between Sony and Ericsson, started in 2001
- First Android phone launched in 2010
- In 2012, Sony acquired the entire company and changed the name to Sony Mobile

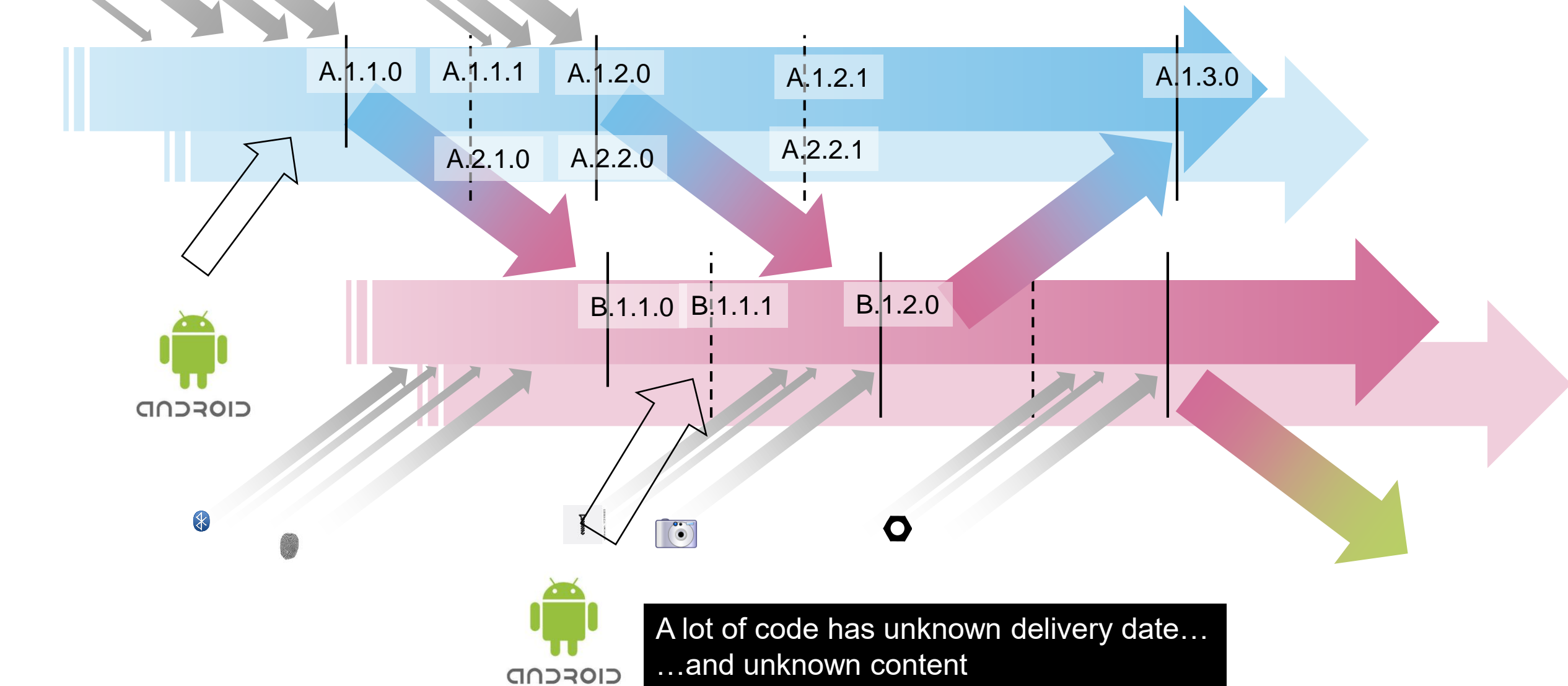


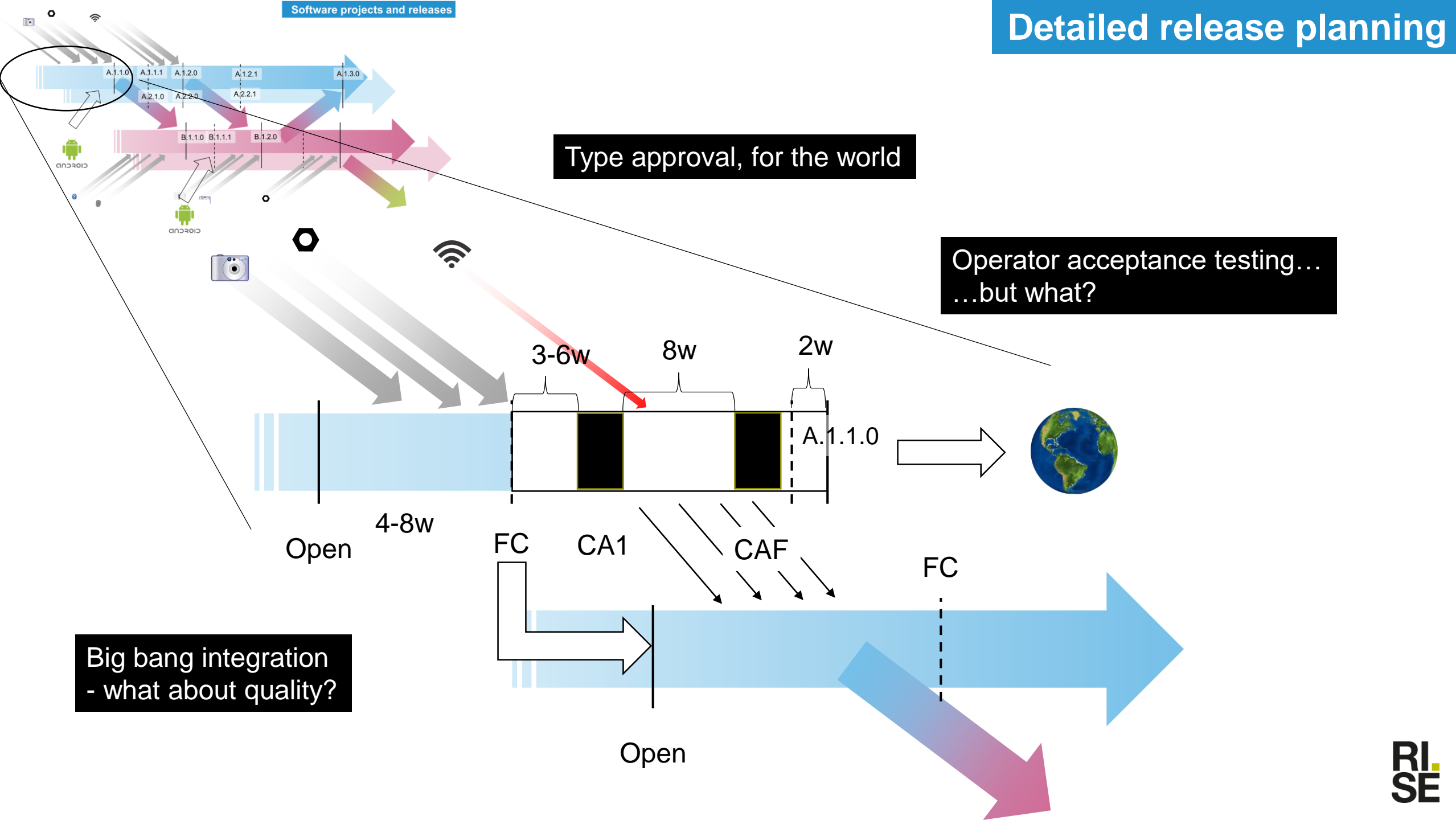


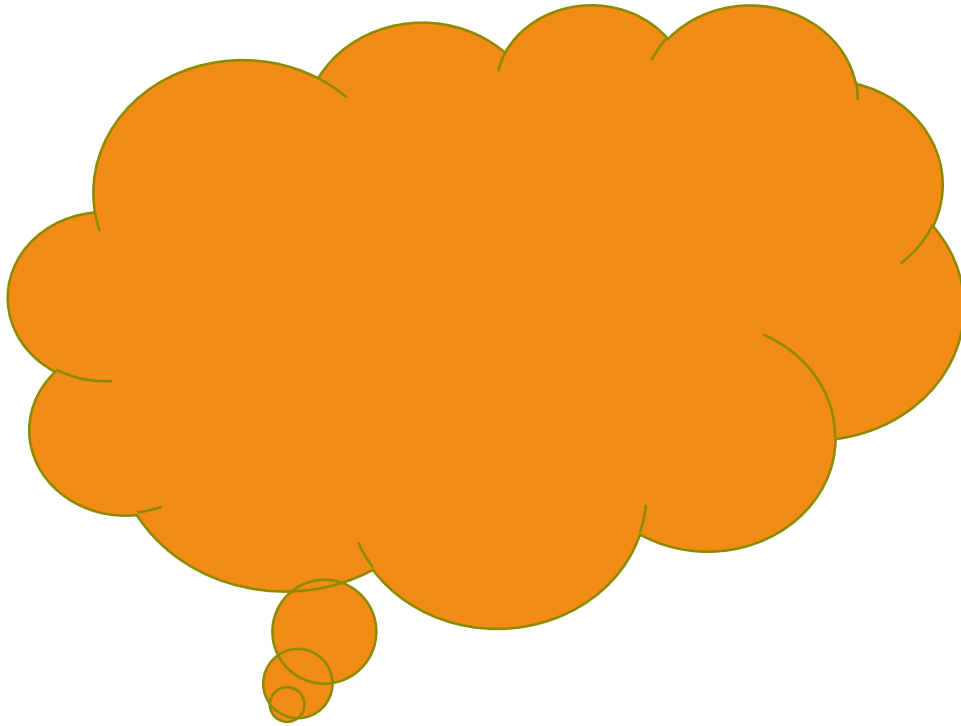
Release planning at Sony Mobile

Software projects and releases

All variants globally on the same branch (almost..)
- what do I test?

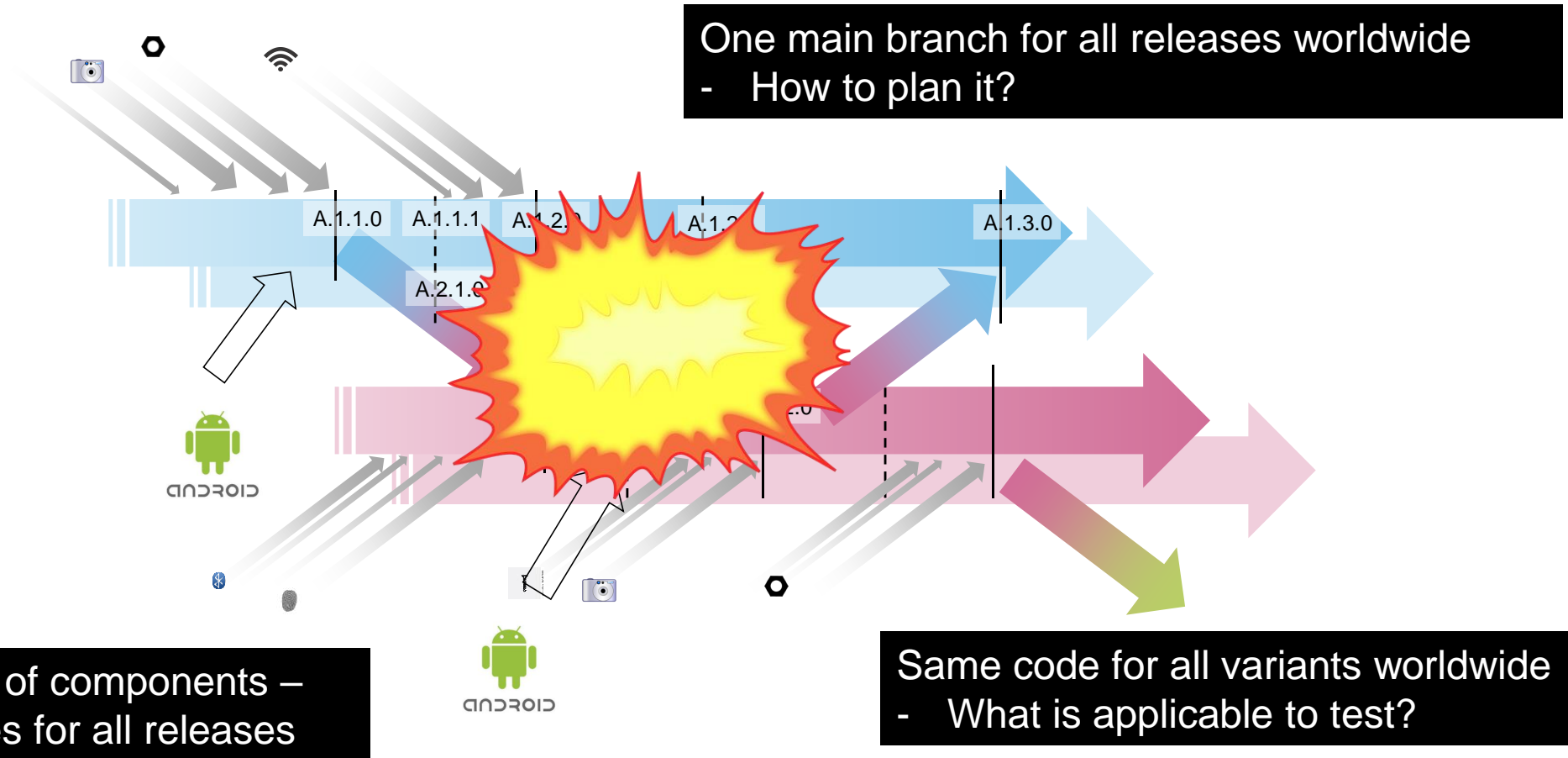




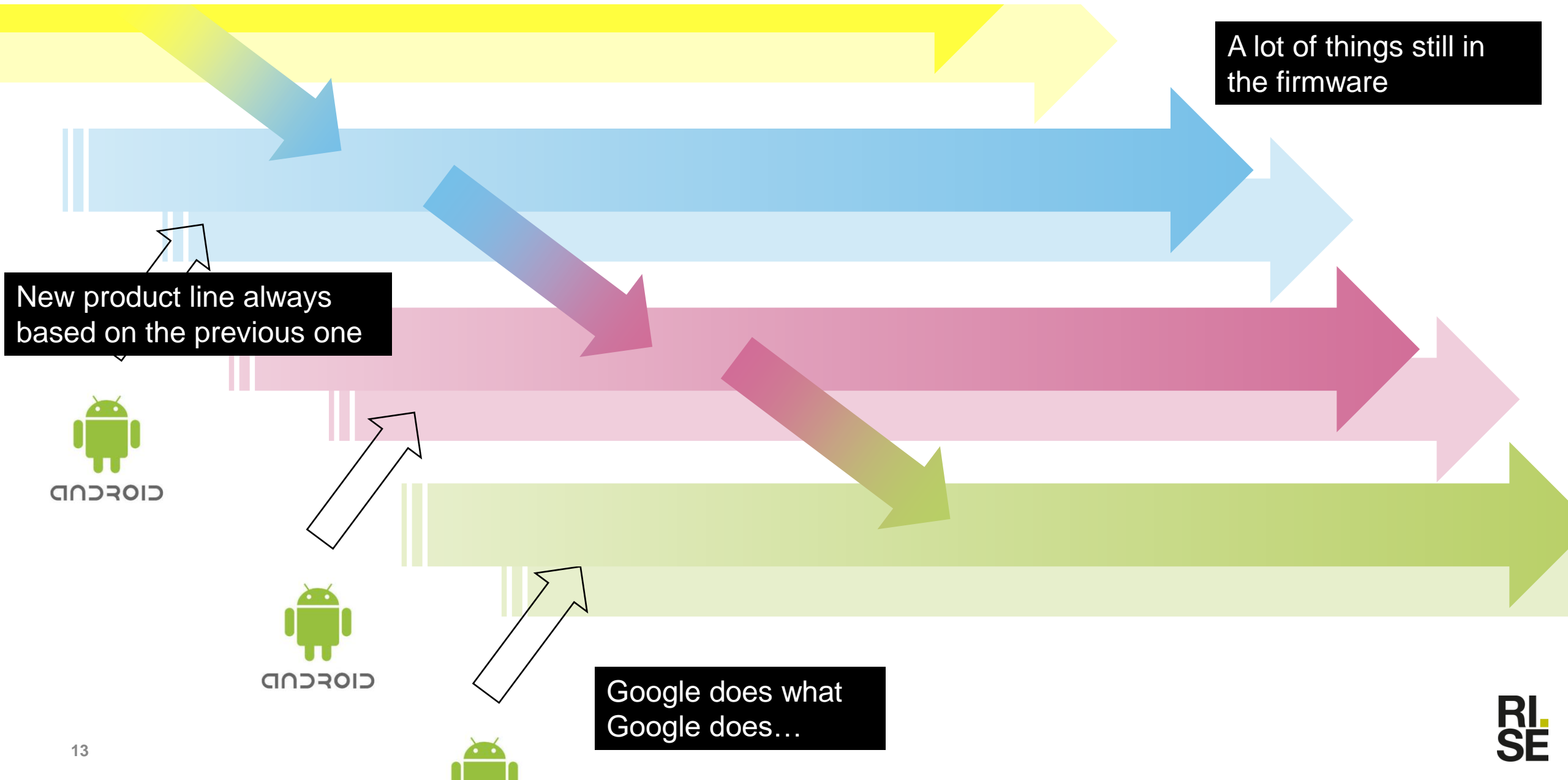


Reflections from 10 years at Sony Mobile

There is such a thing as too much reuse



Breaking up the legacy





Conclusion

Conclusion

- Software is developed in a complex interplay with suppliers, partners, customers and consumers
- Simplifications are needed everywhere to keep competitive
- There is no silver bullet, a multitude of measures are needed

Thank you!

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If you don't care about quality, you can
meet any other requirement

- Gerald M. Weinberg



RISE SICS

RISE Mission from the Swedish Government

- "Collaborate closely with academia and industry to advance excellence in strategically important areas, and in doing so help accelerate transformation within the business world."
- "Develop and increase the use of our leading, dynamic environment for testing, demonstration and pilot production."
- "Support and encourage organizations - particularly small and medium-sized enterprises - to participate in EU research programmes and benefit from international collaborative research."

*Excerpts from the Research Proposition 2016/17: 50
(Kunskap i samverkan).*



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SICS creates industrial and societal value by joint initiatives with industry and the Swedish public sector.

SICS contributes with excellent research and innovation in selected areas of information and communication technology, and by actively promoting the uptake of new technology in Sweden.



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Euro**

**+ 30 Years of
state of the art
computer
science**

**Funded by
governmental
research programs,
industry and
the EU**

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76 Ph.D.
32 Professors**

**Non-profit
research
organization**

ACADEMIC COLLABORATION



- Other universities and technical institutes in Sweden, Europe, China, and in the USA.
- SICS is a core partner in EIT Digital.

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