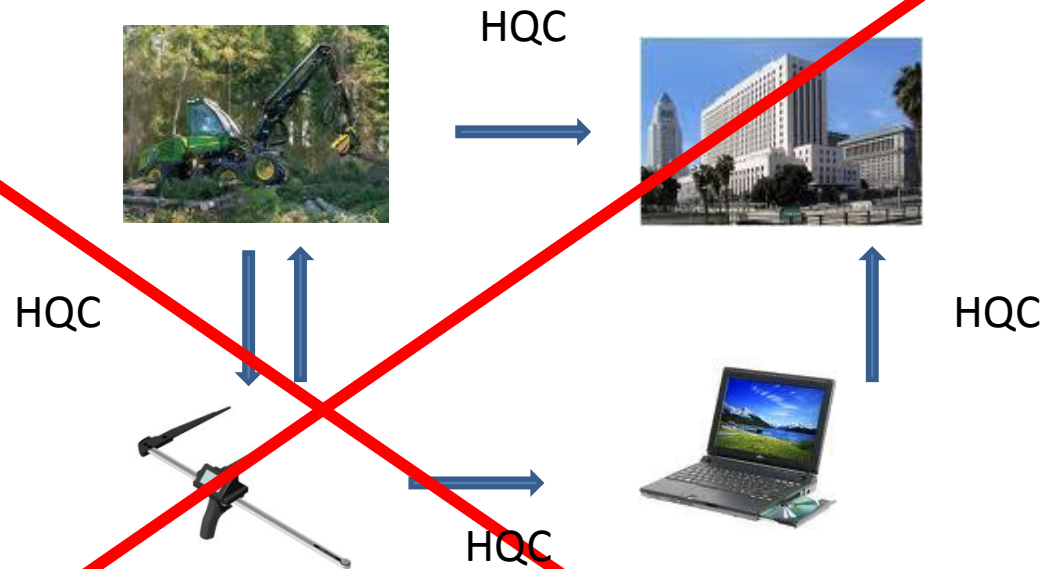**Original idea for StanForD XML/2010 HQC interface in the caliper**
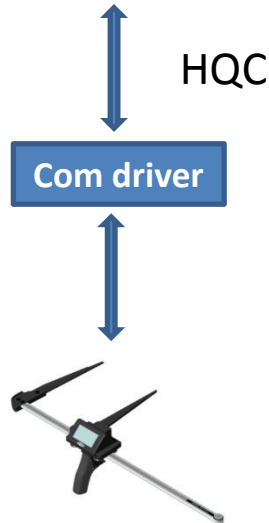
HQC

HQC

HQC

HQC

- Lot of unneeded data for the caliper
- Complicated and expencive caliper program
- Maintenance and updates expencive
- SLOW data communication because of the large amount of data

5.11.2010 AU

New approach for caliper communication in harvester calibration for StanForD 2010
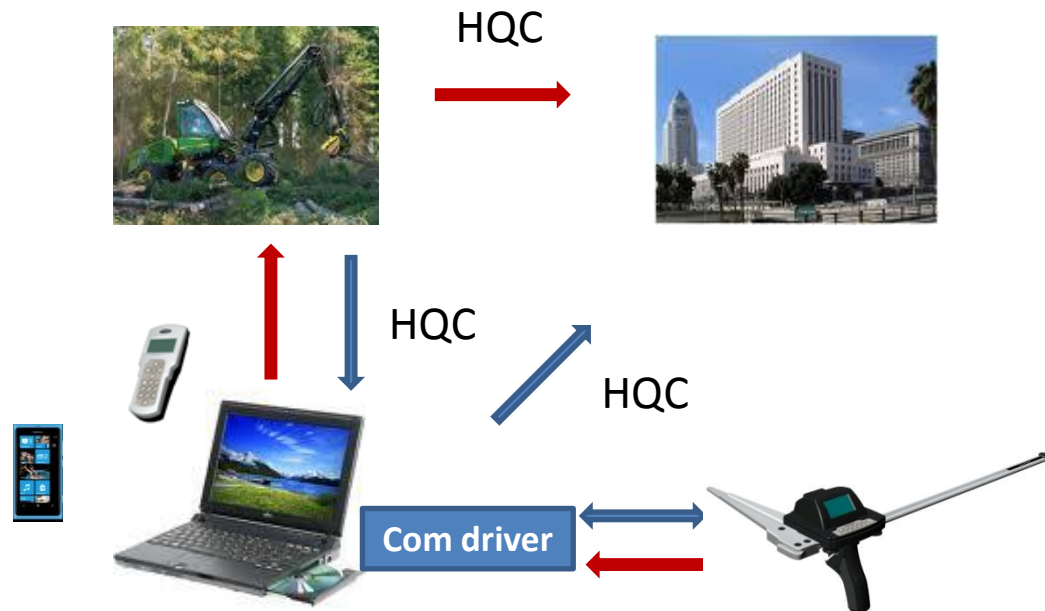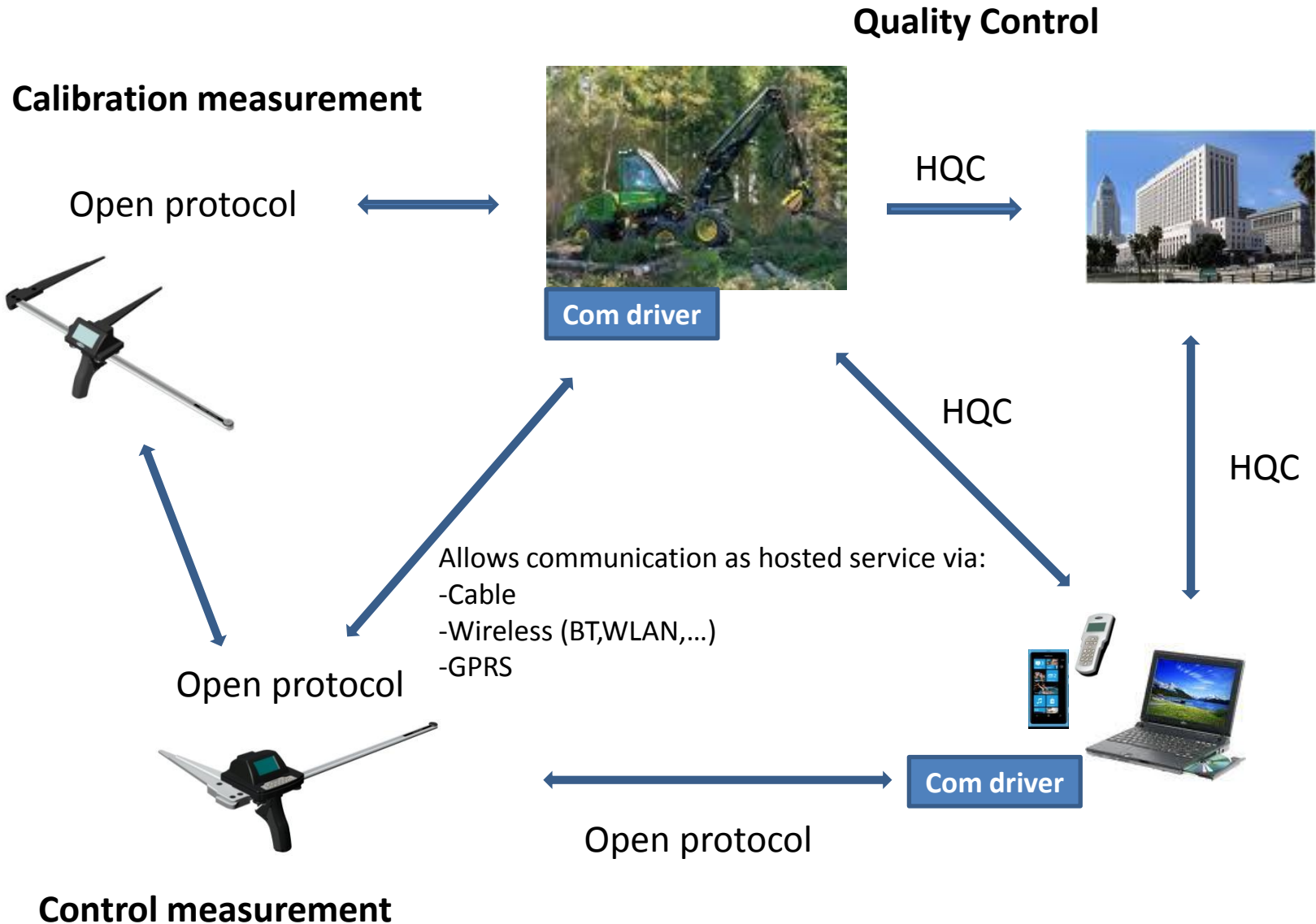
Calibration and control

HQC

HQC

Com driver

-HQC- translation in PC Com Driver (Masser HCL)
(**H**arvester **C**alibration **L**oader)
-No need for a new standardized protocol
-Remote data collection possible wirelessly
-Can be used for 3rd party also
-Caliper- program can run also in the harvester PC
-Only a plugin Com Driver- program needed
-Program update possible through mobile network

3:rd party integration

-Most flexible alternative for 3:rd party

Quality Control

Calibration measurement

Open protocol

HQC

Com driver

HQC

HQC

Allows communication as hosted service via:
-Cable
-Wireless (BT,WLAN,…)
-GPRS

Open protocol

Com driver

Open protocol

5.11.2010 AU

Control measurement

MASSER HCL

Masser Harvester Calibration Loader is a multi task PC-program
for harvester calibration environment

- Loader for new caliper programs
- Communication driver for harvester calibration system
- Supports STM, KTR, HQC and SPP StanForD and StanForD 2010
  file formats
- Reporting of calibration data
- Communication to third party systems
- Serial or wireless communication between PC and Caliper
- Supports also old calibration systems updates to StanForD 2010