SAT Feature Planning Lists and Details

y2023

SAT	001	Reduced memory footprint for non-IVI use cases	
SAT	002	Landscape mode demo apps for CES	
SAT	005	Binary Package feed via Yocto or other method	
SAT	006	Software Update	
SAT	007	LTS UCB (Smart reusing source code of well-maintained packages like Redhat or Debian distrubutes)	
SAT	008	Next-gen In-vehicle cockpit Linux system architecture beyond existing IVI and IC	
SAT	012	Adopt camera middleware, contribute missing use-cases and improvements upstream	
SAT	013	Camera API use-case: Rear-view camera RVC (backup)	
SAT	014	Camera API use-case: Stitched 360-degree all-around vehicle view	
SAT	015	Camera API use-case: Front-facing camera (incident reporting, …)	
SAT	016	Camera API use-case: Driver-facing camera (attention detection, …)	
SAT	019	Update AGL System Spec. Latest version was completed in 2015	
SAT	019.1	Create Production Requirement SPEC:Toyota will create a production requirements document based on the Basesystem which already contributed. As the next step, we believe that it's necessary for each OEM to extract requirements from this document as a reference.	
SAT	020	RISC-V support for UCB	
SAT	020.1	RISC-V QEMU with graphics	
SAT	020.2	RISC-V board	
SAT	021	Backport revised Yocto CVE checker to Dunfell (Lamprey LTS) and Kirkstone (Octopus and beyond)	
SAT	022	New demo hardware set to replace Green Machines	
SAT	023	Fully UI design upgrade to leach feature vehicle. Target IVI, IC EG Cluster, other? Candidate : Based on Suzuki design that contributed by Haraki-san in last year. IC-EG has UI upgrade plan to harmonize to this design (that task is inside a EG plan).	Existing AGL Qt IVI design was not change from y2017. The flutter based UI is no big improvement from Qt IVI design. This mean, AGL UI design has not update around 6 years. I think so, AGL must re activate in this year. This 1st step is update UI design to show AGL activity to all of world. Haraki-san share the another base design for AGL UI. Shall discuss based on that design. This topic is not required to green box update.
SAT	024	Qt update to 6. Need or not need for UI upgrade.	Qt5.15 is ended maintain. Shall migrate to Qt6.2 LTS or Qt6.5 LTS? When AGL will update UI design, IC and Qt IVI shall migrate to Qt6.x. This point is depend on SAT-023.

SAT	025	New board support. Reach out to AGL member company. Existing: Renesas, Qualcomm, Intel, NXP, TI, SanCloud. New: Mediateck, NVIDIA, SiFive, Telechips,	Many SoC bender is already join to AGL. Renesas, Qualcomm, ARC, Intel, Microchip, NVIDIA, NXP, TI(San Croud), SiFive, Telechips. SAT shall reach out to non existing AGL support SoC bender. Microchips, SiFive, Telechips, and more. When these bender have a motivate to AGL official SoC/board, SAT recommend to that SoC to SC/AB. AGL must require to SoC bender support without NDA. Good example is Renesas.
SAT	026	Qualcomm Support - work at AB level to get meta-qcom to support 6155 and 8155 BSPs rather than supporting individual companies with different BSPs as well as a plan for future chips.	
SAT	027	Benchmarking different boards for availabilitty and usabilitty as well as performance.	
SAT	028	Create AGL architecture diagram for each profile. to make it easy to understand which package is needed and why.	Create architecture diagram for AGL each profile. AGL IVI (Qt, flutter, HTML5) IC and IC container. V2C SDV others. Ex. IC container.