AGL Special SAT
IVI-Product Ready Profile (IVI-PR)

6.Aug.2020
TOYOTA MOTOR CORPORATION

Special SAT Schedule

No.	Day	Agenda
#1	6/Aug.	-Toyota will share the function list proposal for trial software. -Denso will share the RBA development Schedule. -Panasonic will share Profile Configuration proposal.
#2	20/Aug.	-Toyota will explain the answer from the members(Please ask on JIRA ticket) -Panasonic will update the proposal and also share Profile Configuration proposal. -Renesas will share the BSP development Schedule.
#3	3/Sep.	-Members review Profile Configuration and request Jan-Simon to prepare PR profile. -Member function list for Trial software as final. -Toyota prepare high level Software Architecture and member review.
#4	17/Sep.	-Member discuss Software Architecture (more detail than #3).
#5	1/oct.	-Member review Schedule, Software Architecture, function list and RR(Role and Responsibility) for trial period as final.

1. OEM Specification Request

①Hearing for OEM・Tier1 (～8/6)

　What are high priority modules・tests for IVI-PR?

②Add requirements（9/E）
　　ProductReady_Spec_Ver.0.10Draft JIRA: SPEC-3527
　　*）Toyota has already described a part of BaseSystem.）

　We ask the members to add the requirements to the document.

③Select Trial development items（9/E）
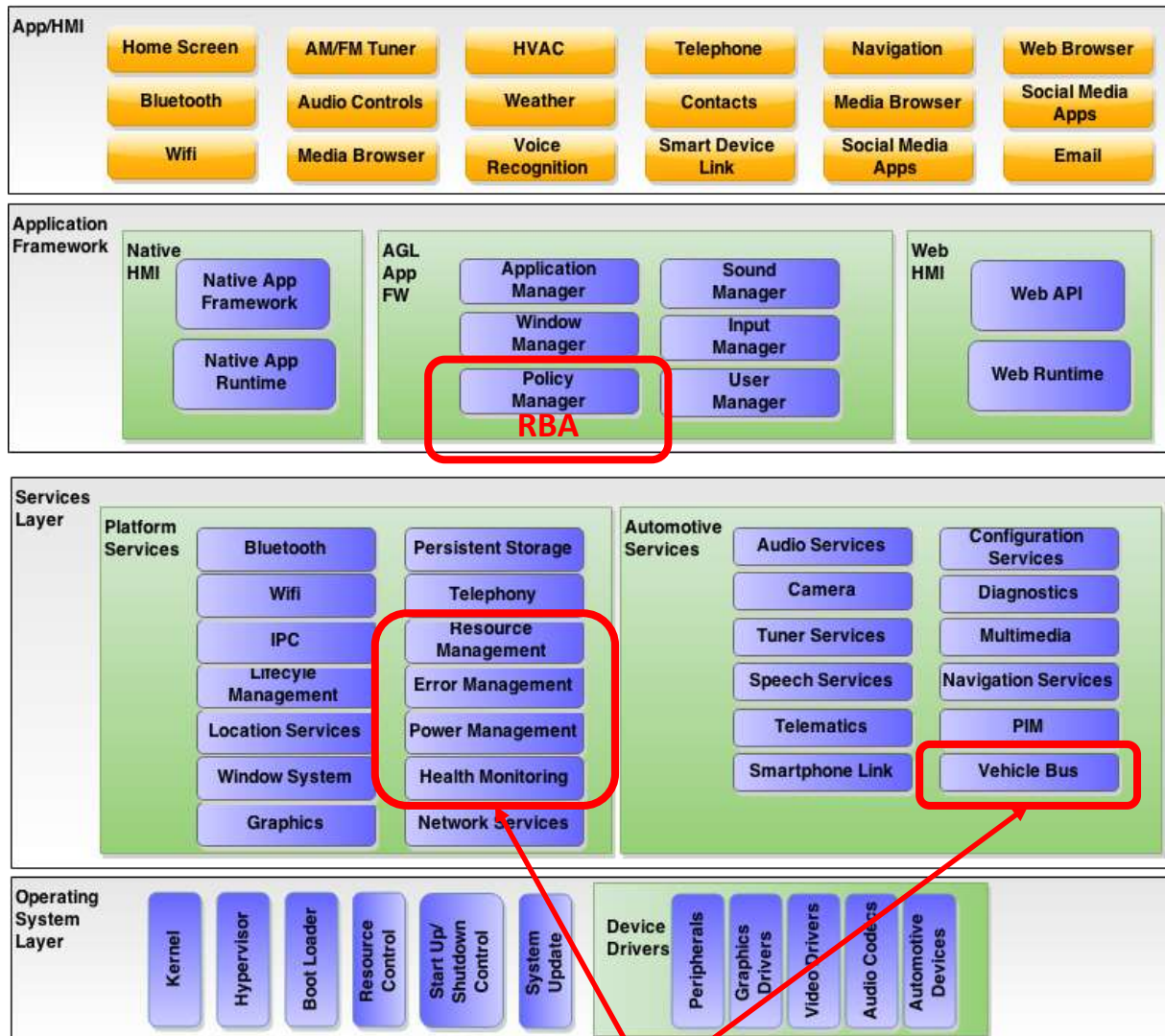　　From October, IVI-PR Trial development will start.

2. Toyota current idea

- We introduce the current Toyota proposal for IVI-PR

    - Architecture Diagram in AGL Spec ver1.0
    - Issues for current AGL
    - Development items
    - Schedule

- This proposal will be revised by collecting your opinions.

Architecture Diagram in AGL Spec ver1.0

Issues for current AGL (Toyota-plan)

Layer	issues	Toyota plan
App-FW① AFW AF-Binder	• Difficult to develop application 　→ Complex, few tools • Security requirement mismatch 　→ Binder, Smack vs SELinux	Toyota plans code drop of a developed product equivalent to App-FW after 2021. Toyota proposes as a standard product code of IVI profile.
App-FW② WindowManager AudioManager	• OEMs need to make major modifications for App-FW when they select new HMI. • OEMs need to fix App-FW in a short period of time because the version of software (e.g. Weston) depending on App-FW is frequently updated. 　→ App-FW that is compatible with many HMIs is difficult to develop	
PF-Services/ Automotive-Services	• Commercial software has a lower total development cost than AGL, and it's difficult to consider introducing AGL as a product. (e.g.) BT, Radio	To be discussed

Development items (Toyota-plan@trial)

	Development items

Test Apps
Test Service
Development
	• Develop test apps and services to evaluate the target package.
	    → improve AGL software
	    e.g.) HVAC, Navi, HomeScreen, Service-CAN

Package
development
	• BaseSystem
	  Health Monitoring
	  Error Management
	  Power Management
	  Resource Management
	  Vehicle Bus (CAN, position)
	• RBA【DN】

Evaluation	• Evaluate the target package
	  Unit-Test
	  System-Test
	    e.g.) resources(cpu, memory), performance

Schedule (Toyota-plan@trial)

	2020					2021		
	8	9	10	11	12	1	2	3

AGL / OEM
- Special SAT
- discussion & Merge
- OEM Spec — SPEC Request — plan 2021

Apps/Services
- Apps/Services — Apps/Services for evaluation

Component Dev
- RBA — Latest edition
- BaseSystem — Latest edition — Health-Monitoring etc.

SI Evaluation
- BSP/HW — HW
- Profile — Profile — Maintenance
- IVI-PR System Integration
- evaluation — Build an evaluation environment — Evaluation Resource/performance etc.