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)
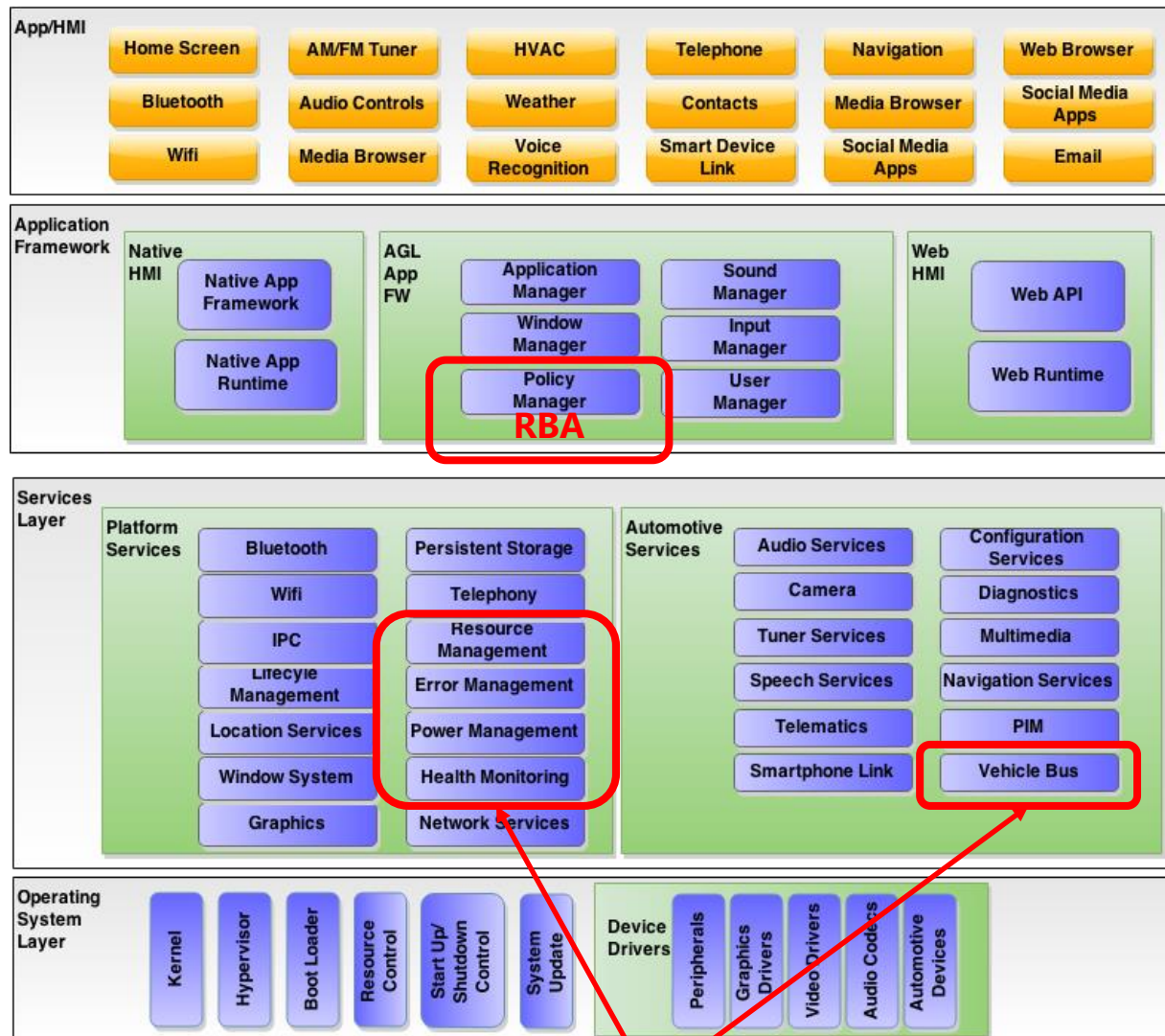   From October, IVI-PR Trial development will start.

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.
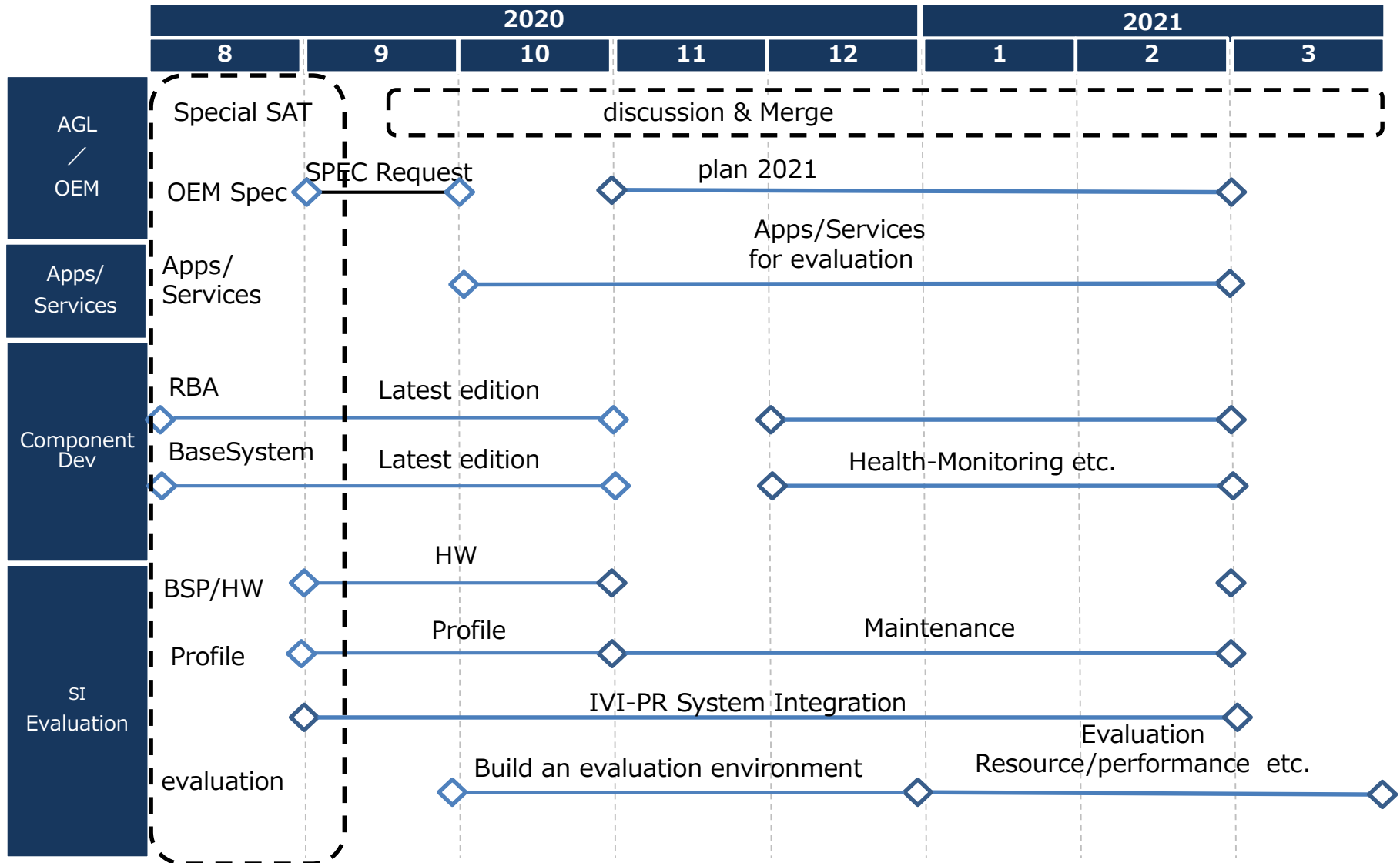
Architecture Diagram in AGL Spec ver1.0

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

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.

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