
AGL Proposal

IVI-Product Ready Profile (IVI-PR)

17.Jul.2020
TOYOYA MOTOR CORPORATION

The current profile can not be applied to the product

Advisory Board 14/Jul.

issue	Ideal state
OEM/Tier1 want to merge code (Base System) into AGL. Dropping code into IVI Profile requires extensive refactoring.	OEM/Tier1 want to drop code with low effort. The dropped code will be merged into AGL UCB and used by the community member.
AGL code does not have features that meet the requirements of the product.	OEM/Tier1 want to be able to easily contribute product code and use AGL code in their products.
The number of activity lead by OEM/Tier1 is small.	OEM/Tier1 lead the architecture discussion. They will present software with an introduction to their products in mind.
Code developed with AGL does not improve quality.	OEM/Tier1 have an environment where they can discuss software quality. AGL provides an environment for testing dropped code.

★ To solve the issues, we plan to make **other new profile.**

Proposed new profile: IVI-Product Ready Profile

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■ Goal

Making AGL code available in products

■ Position

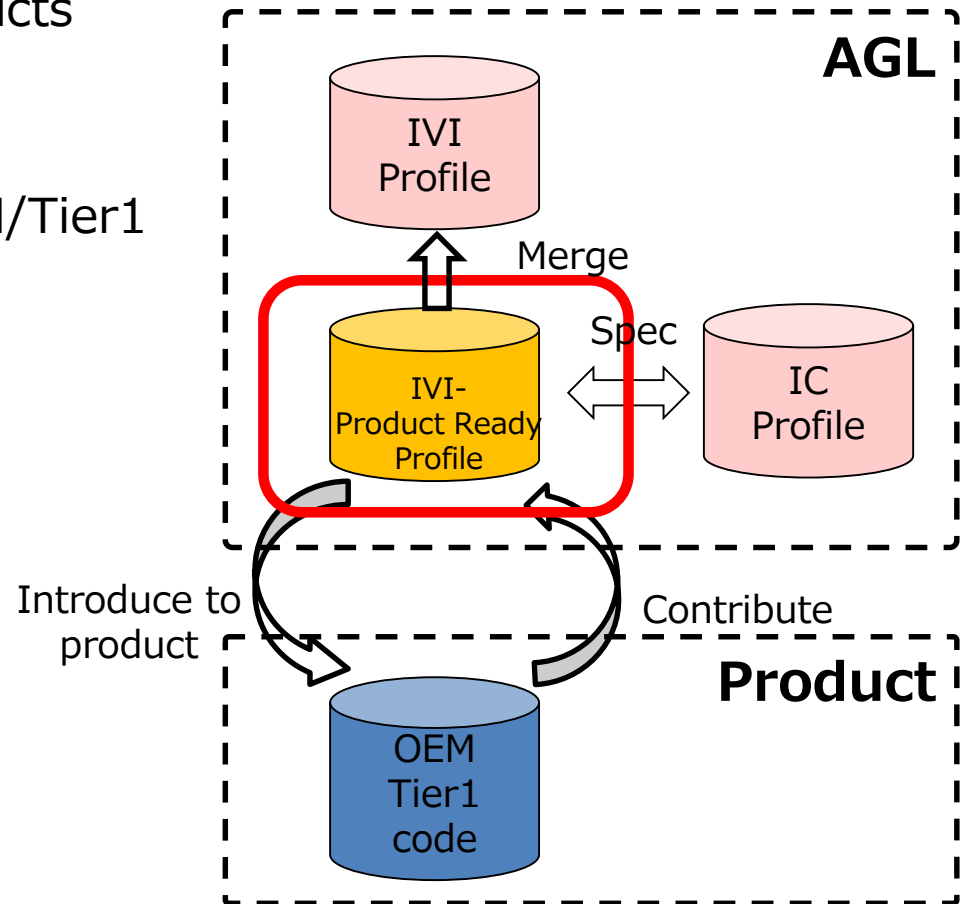
This profile makes it easier for OEM/Tier1 to contribute code and for AGL to merge their code.

■ Action item

- ① Contribute product code
- ② Develop Profile
- ③ Improve software quality
- ④ Cooperate with other EG
- ⑤ Merge to IVI-profile

■ Member

Anyone can join!



Proposed activity items for AGL

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1. The source codes for IVI-PR drop on UCB staging Area.
2. We create a new layer in the AGL repository.
(e.g. meta-agl-profile-ivi-pr/meta-agl-ivi-pr-demo)
3. We perform evaluations to improve the quality of software. We need to develop apps and service for evaluations.
(We also develop demo software for appeal.)
4. We will discuss the component at “SAT-Special Meeting” and we can move components from staging to the main source tree.
5. We will start activities from July as a trial period.

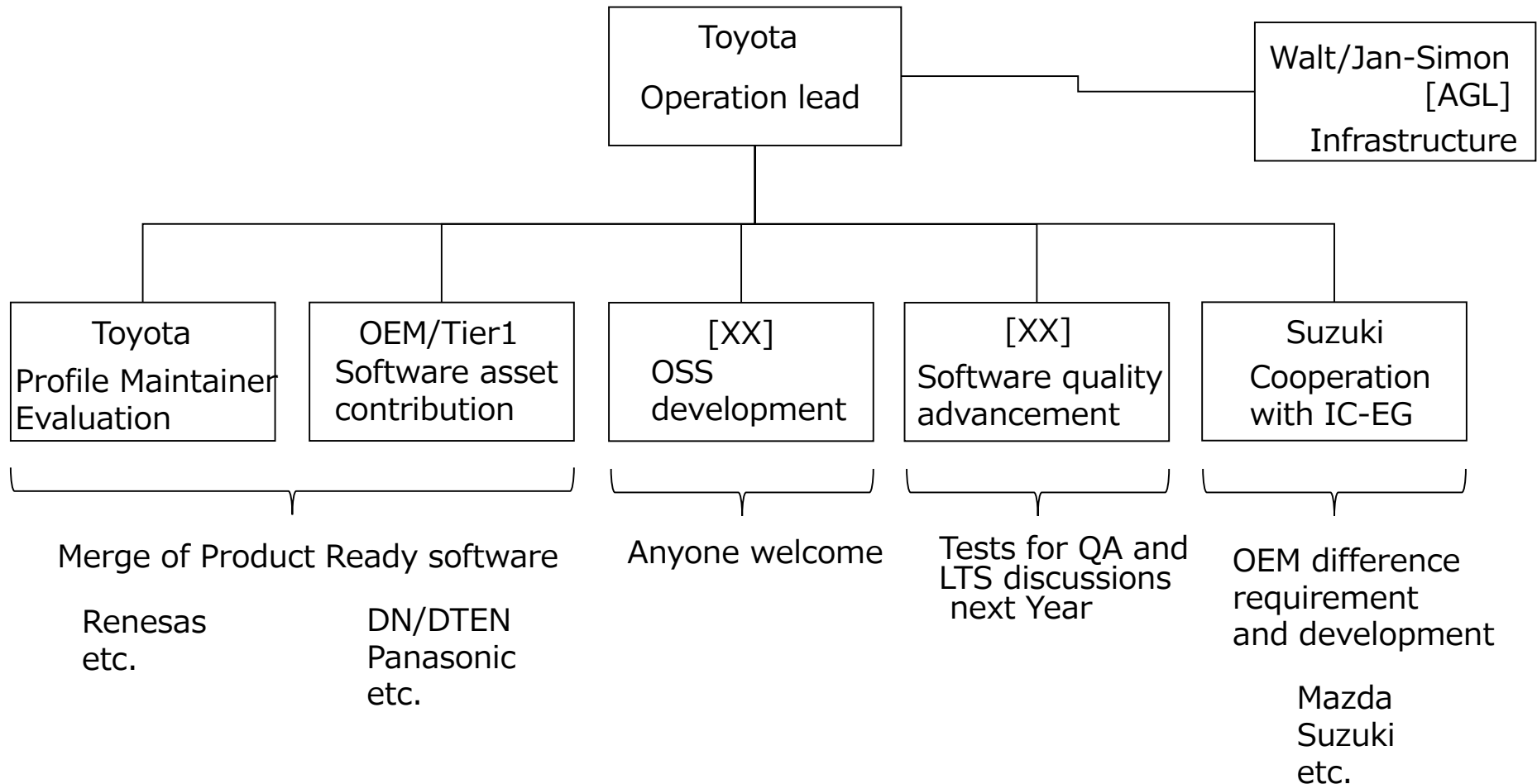
Early Development Members (Trial period)

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Toyota will lead the trial activity.

Let's do it together.

Anyone can drop codes or provide requirements.



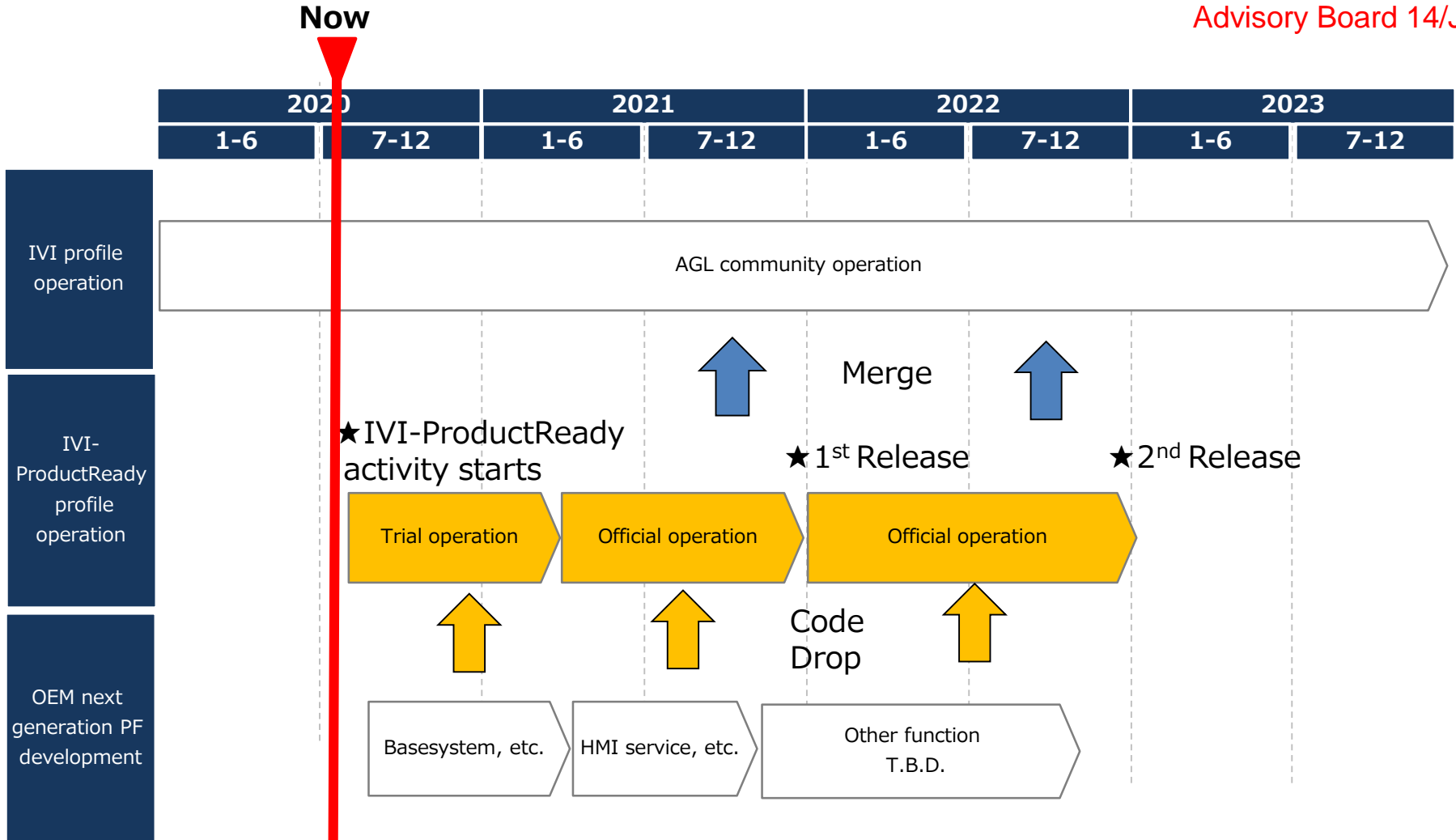
Software Architecture (plan)

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	IVI	IVI-ProductReady Trial (in March 2021)	IVI-ProductReady 1 st Release (in December 2021)
HMI-Apps	Apps For demo	+Test Apps for IVI-PR [Toyota]	+ [Tier1,OEM]
HMI	Qt/Chromium	Qt/Chromium	+T.B.D
AppsFW	AGL-Binder	AGL-Binder	+New Binder[Tier1,OEM]
HMI-Service	WindowManager AudioManager	+RBA[DN]	+ HMI service[Tier1、OEM]
Other- Service	[AGL]	[AGL]	+ BT、Radio[AGL]
Base-System	Not be merged	+ BaseSystem[Toyota]	+Diag,Logging,Security +Multifunction Detector +HAL[Tier1,OEM]
Middleware Linux Kernel	[Yocto & AGL]	[Yocto & AGL]	[Yocto & AGL]
Evaluation	For demo	Profile Maintenance & Evaluation[Toyota] BSP,HW[Renesas]	+including the part of quality test[Tier1,OEM]

Milestone

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Important notes

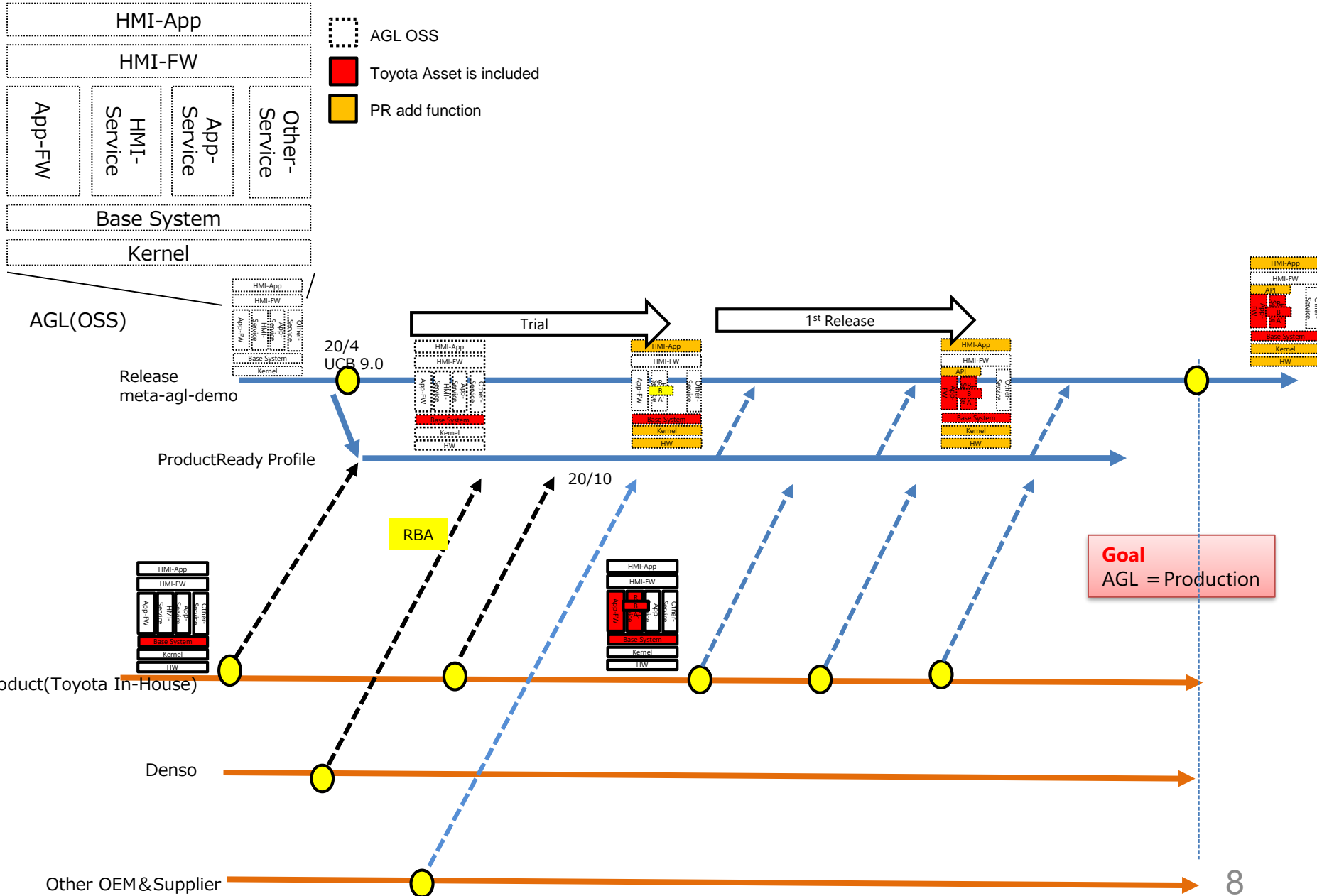
- We don't need two profiles.

Eventually IVI-PR will be merged to IVI.

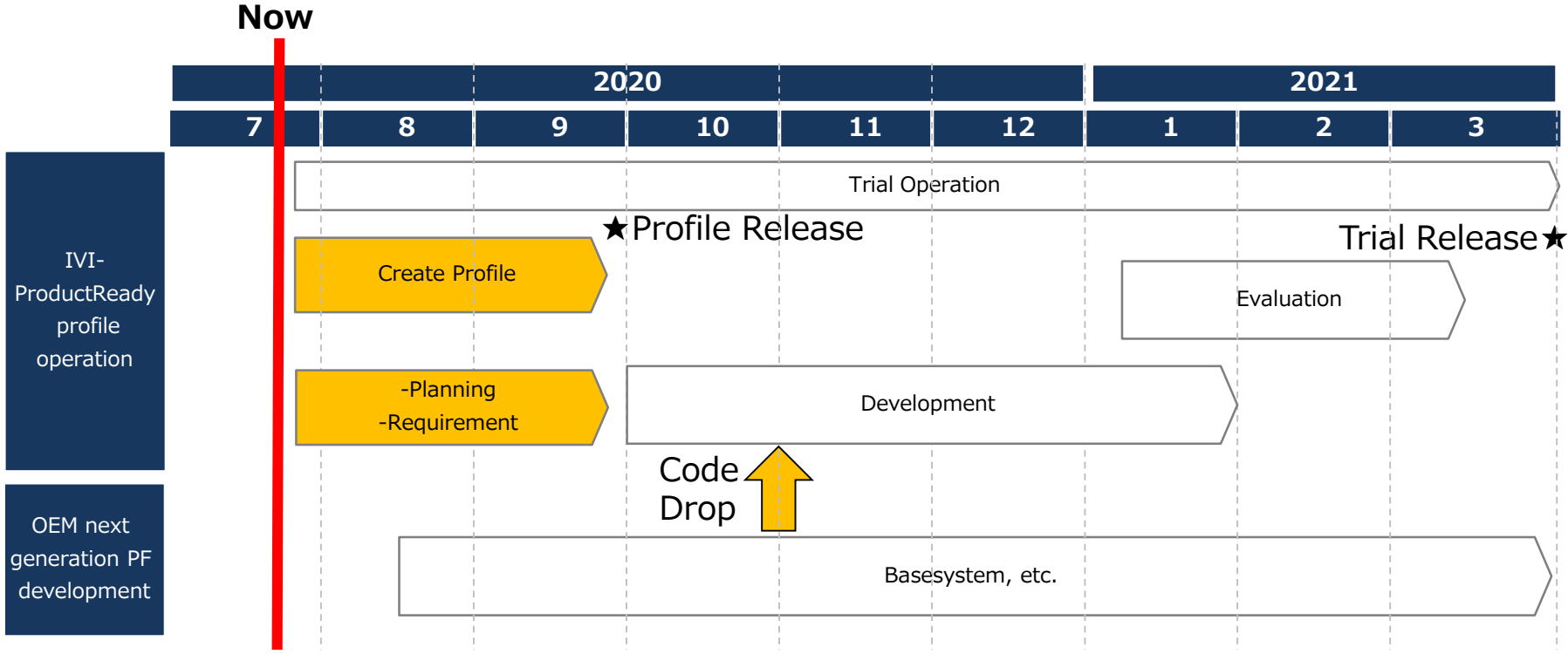
- This activity isn't for Toyota but for everyone.

 : We will merge in as often as possible

Toyota Software Migration Path (for AGL)



Milestone(Trial Period)



SAT Activity for Product Ready Profile(plan)

Toyota requests to have SAT-Special Meeting for PR at day time in Japan.

Our suggestion is Bi-weekly Thursday 9:30(JST). 1st meeting is 6th/Aug.(Different week of SAT)

If members agree with this, please set this meeting[request to Walt].

Meeting Agenda proposal is below.

No.	Day	Agenda
#1	6/Aug.	Expectation -Toyota will share the function list proposal for trial software. -Denso will share the RBA development Schedule. -Renesas will share the BSP development Schedule. -Panasonic will share Profile Configuration proposal. -Mazda,Suzuki and other members will provide Requirement for AGL IVI.
#2	20/Aug.	-Denso shares RBA Software Architecture and how to adapt AGL software. -Toyota provides updated function list reflected as request from Mazda, Suzuki and others. -update #1 meeting discussion.
#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.