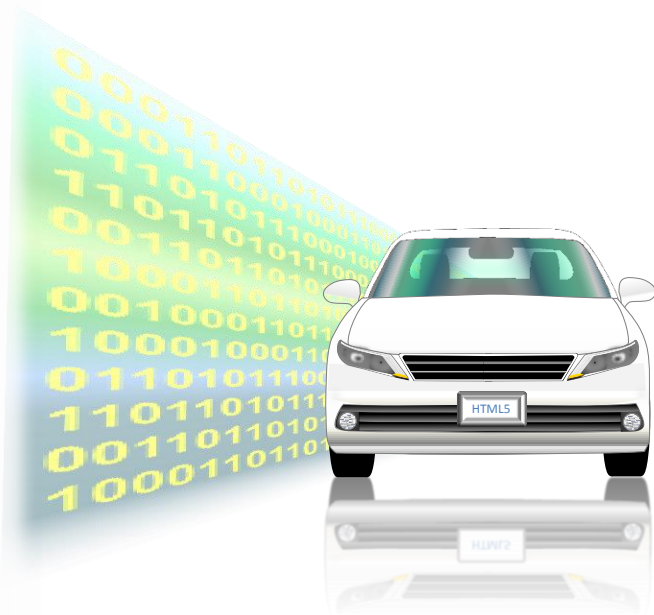


W3C Automotive WG/BG

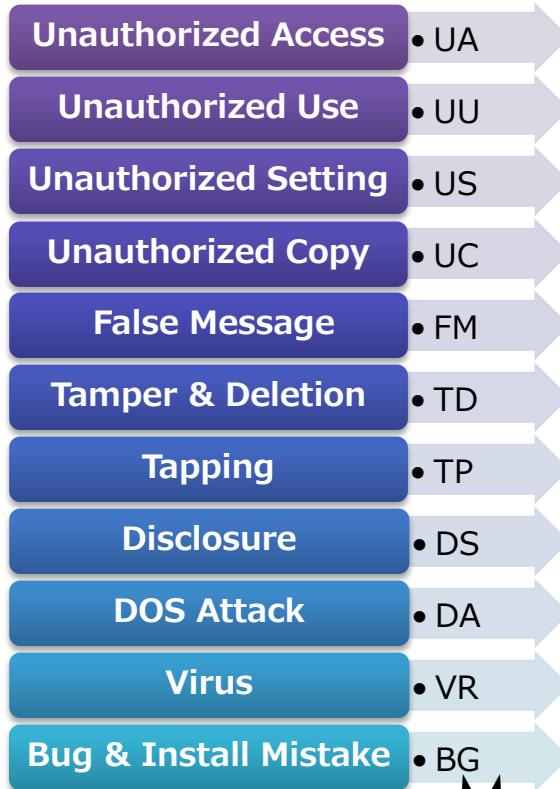
Proposed Collaborative Work Procedures for Security & Privacy Consideration



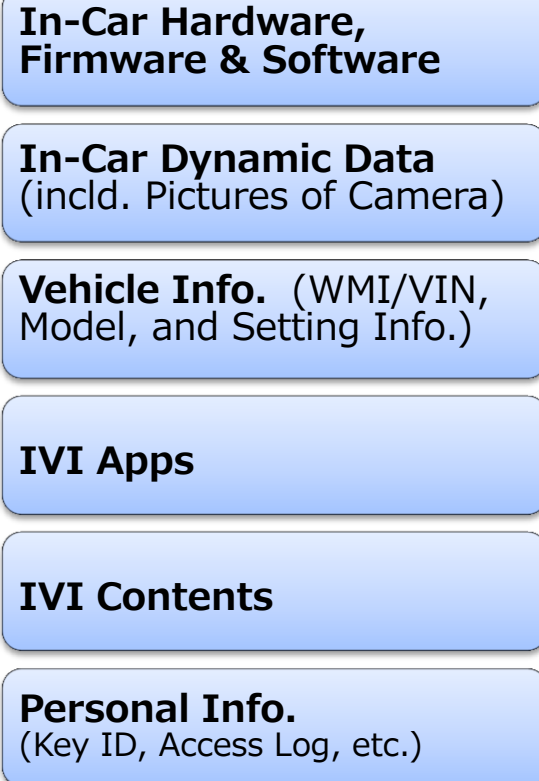
- Overview of Security Incidents
- Attack Vectors & Threat in Security Aspects
- Security Case Study Methodology
- Overview of Privacy Protection Functions (TBD)
- Points to be considered in Privacy Issues (TBD)
- Privacy Case Study Methodology (TBD)
 - An Example of Security Case Study Sheet
 - An Example of Privacy Case Study Sheet (TBD)

KDDI Research Institute
Executive Analyst
Tatsuhiko Hirabayashi

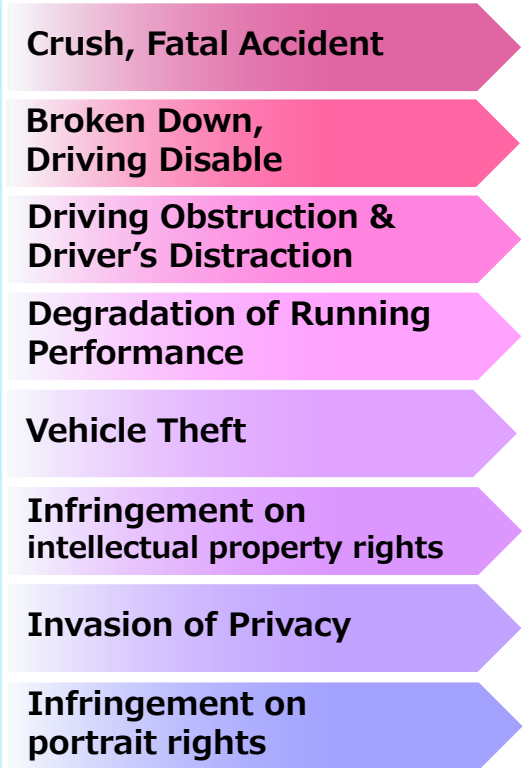
THREAT



Properties to be Protected



RISK



Attack Vectors & Threat in Security Aspects

■ **Part A: Intra-IVI**

A1: Web apps itself

A2: Apps to Apps

A3: Apps to Native Apps

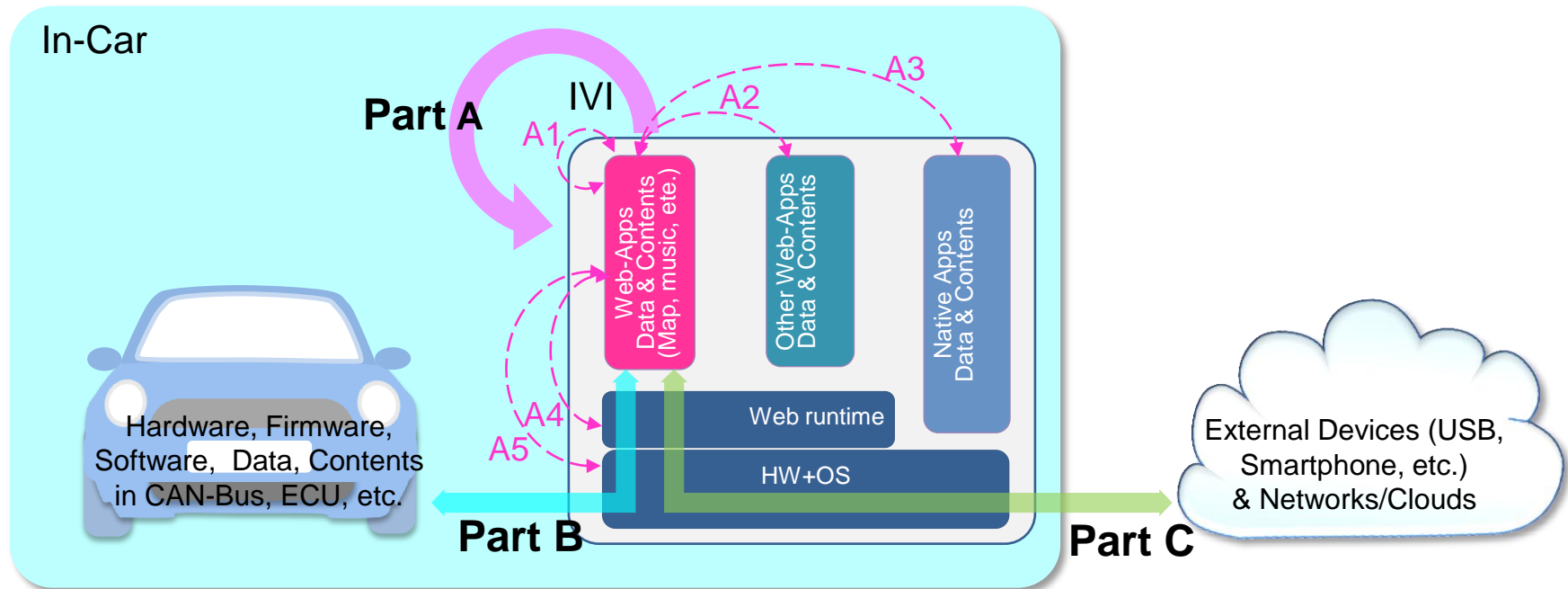
A4: Apps to WRT

A5: Apps to IVI OS

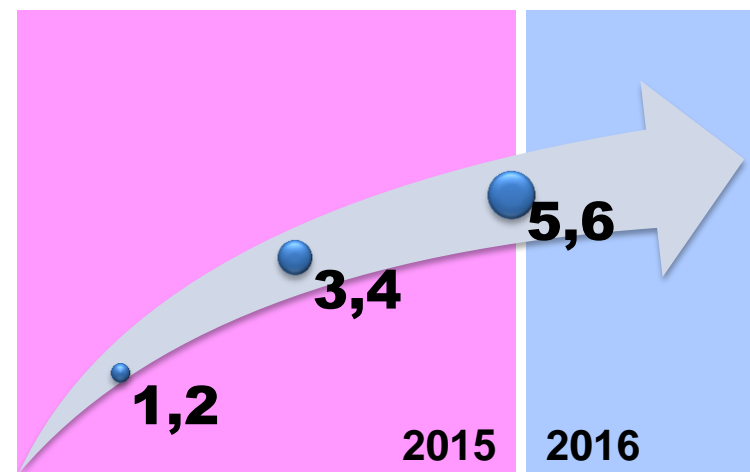
■ **Part B: IVI to In-Car**

■ **Part C: IVI to External Devices**

	UA	UU	US	UC	FM	TD	TP	DS	DA	VR	BG
Part A: Intra-IVI											
A1: Web apps itself		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A2: Apps to Apps	✓	✓	✓		✓	✓		✓	✓	✓	✓
A3: Apps to Native Apps	✓	✓	✓		✓	✓			✓	✓	✓
A4: Apps to WRT	✓		✓		✓	✓			✓	✓	✓
A5: Apps to IVI OS	✓		✓		✓	✓			✓	✓	✓
Part B: IVI to In-Car	✓	✓	✓		✓	✓	✓		✓	✓	✓
Part C: IVI to External Devices	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓



- 1. TF member, to write down the following content in “Security Case Study Sheet” on an One-sheet-one-incident basis;**
 - Part ID (A1-A5, B, C)
 - Attack Vector (From X to Y, or internal)
 - Threat
 - Actual or Envisioned Incident & Title
 - Best Practice and desirable measures in Web layer (if possible)
 - Bibliography
- 2. Moderator, to gather, sort and manage the above sheets from TF members.**
- 3. TF members, to exchange and discuss case studies in the sheet, focusing on the automotive web technologies.**
- 4. Moderator, to draft findings and recommendation from the work sheet.**
- 5. TF member, to generate the technical descriptions in the specs by year end of 2015. (to be in time for LC/CR)**
- 6. Moderator, to clarify issues to be discussed beyond LC/CR timing.**



An Example of Security Case Study Sheet

Serial#000-R00	Part	Attack Vector (From)	Attack Vector (To)	Threat
Actual or Envisioned Incident		Title:		
Best Practice and desirable measures in Web layer (if possible)				
(Key words of measures)				
Bibliography				
Edit record				