

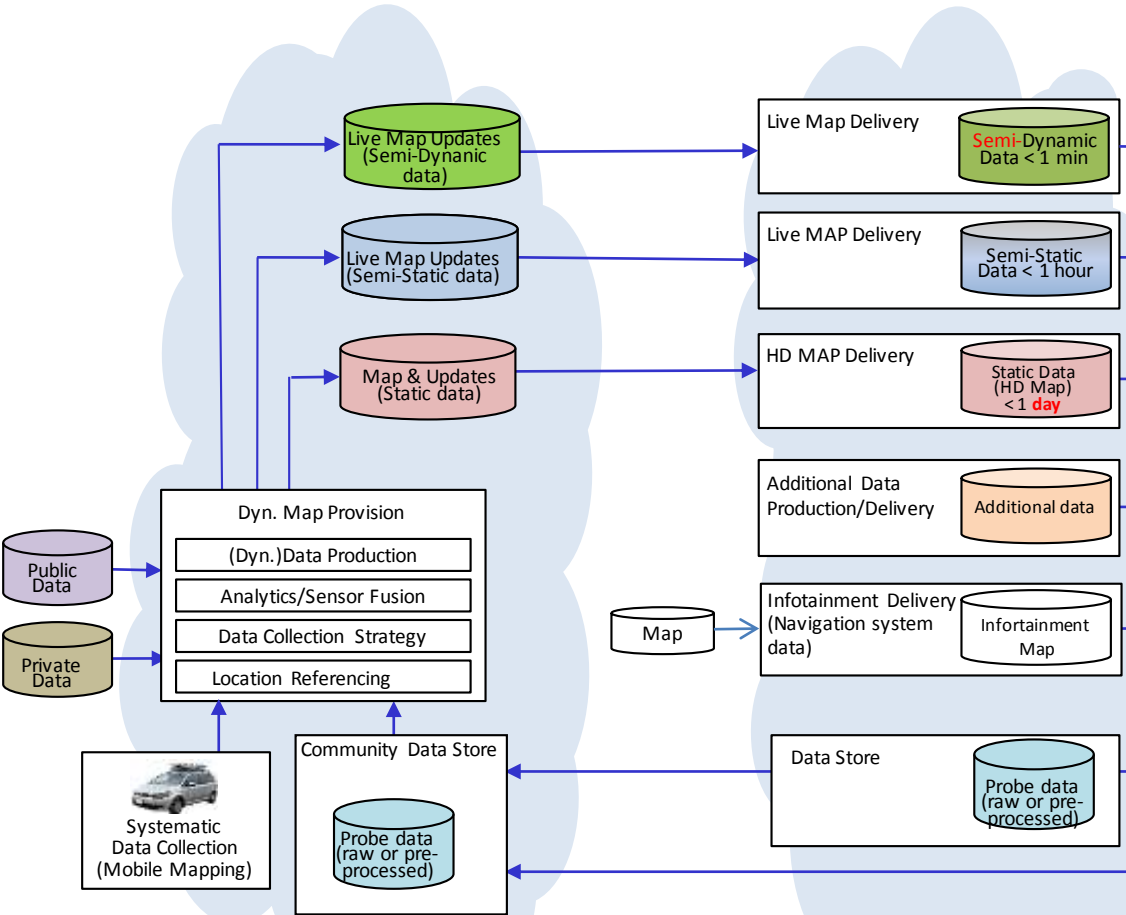
INFRASTRUCTURE

Backend (one or multiple) operated
by Map supplier / OEM / 3rd Party

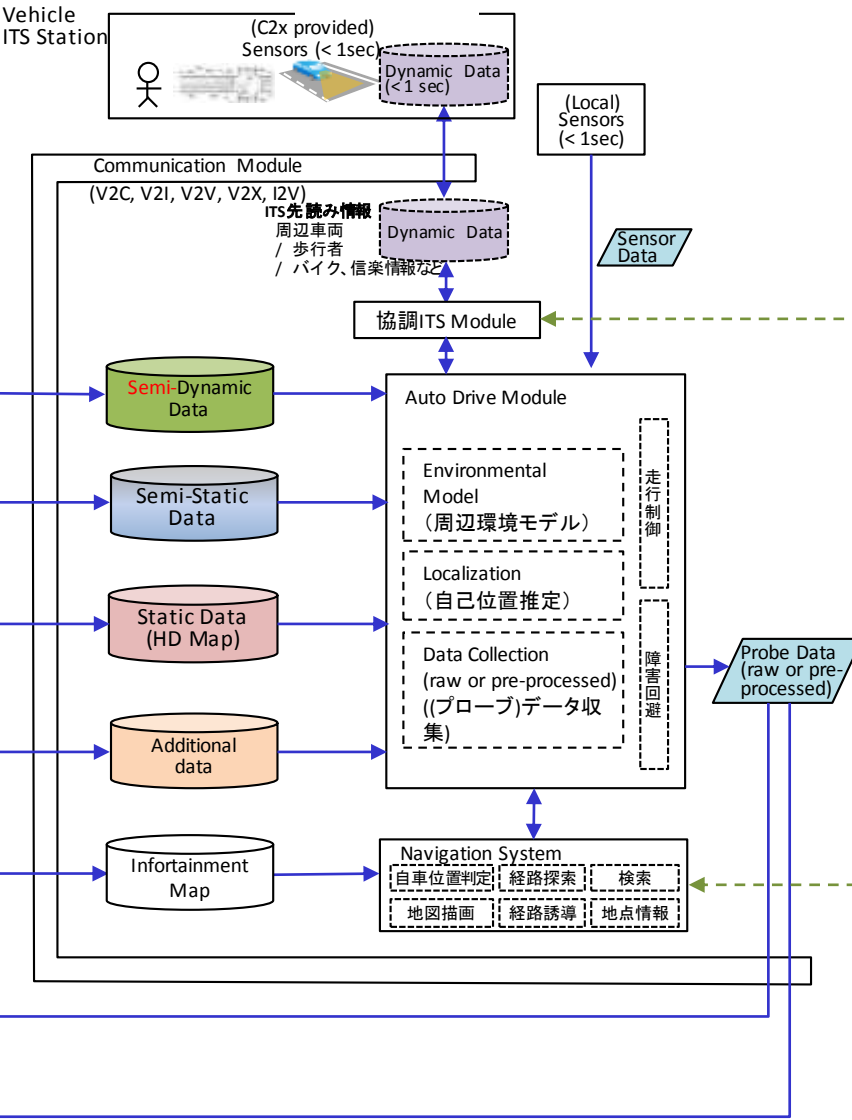
[Dynamic Map Provision]

OEM-specific Backends

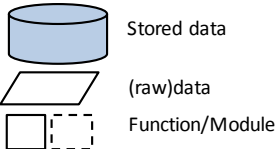
[Auto Drive Related
Data Provision]



VEHICLE



Legend



INFRASTRUCTURE

Backend (one or multiple) operated
by Map supplier / OEM / 3rd Party

[Dynamic Map Provision]

OEM-specific Backends

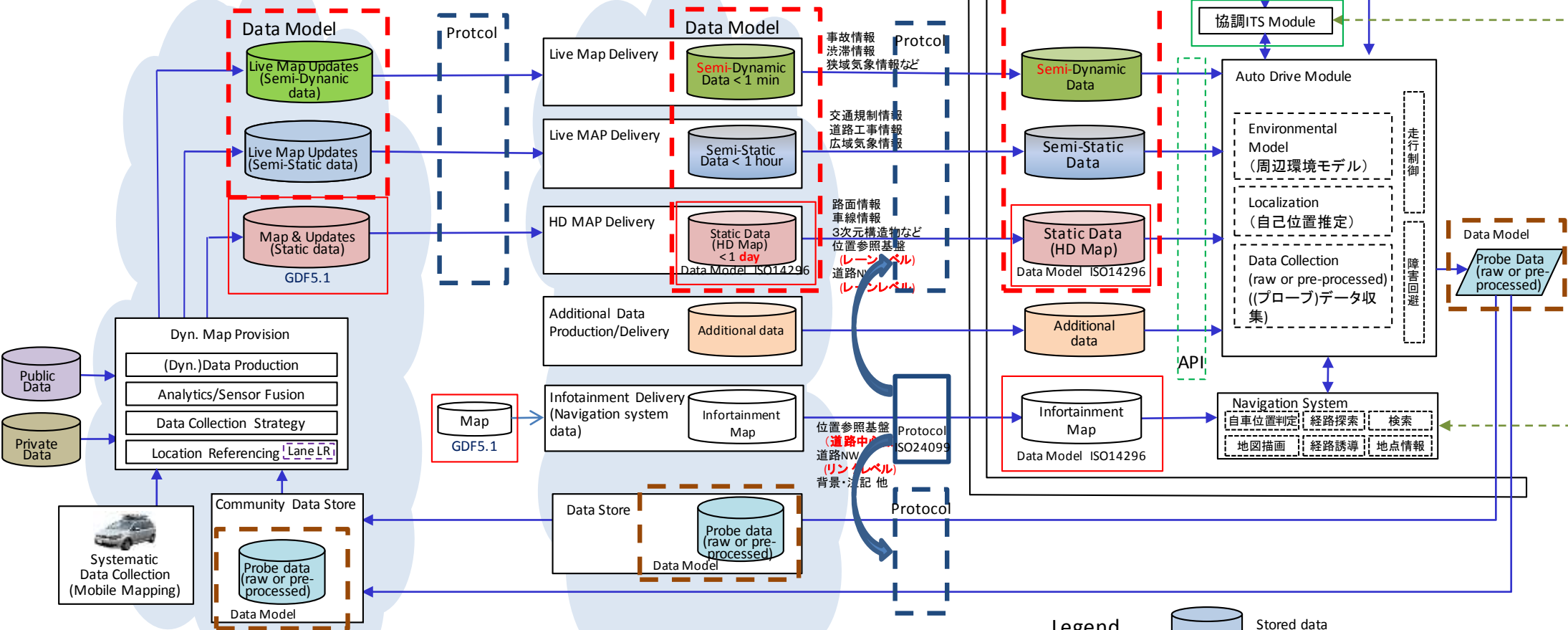
[Auto Drive Related
Data Provision]

VEHICLE

Vehicle
ITS Station

(C2x provided)
Sensors (< 1sec)

(Local)
Sensors (< 1sec)



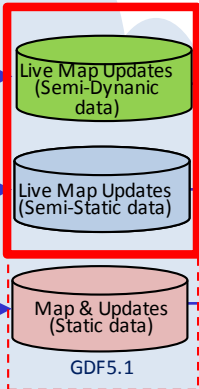
solid line : published
dotted line : ongoing
(Red : Data Model, Blue : Protocol, Green : API, Brown : Probe Data, Violet : Lane LR)

INFRASTRUCTURE

Backend (one or multiple) operated
by Map supplier / OEM / 3rd Party

[Dynamic Map Provision]

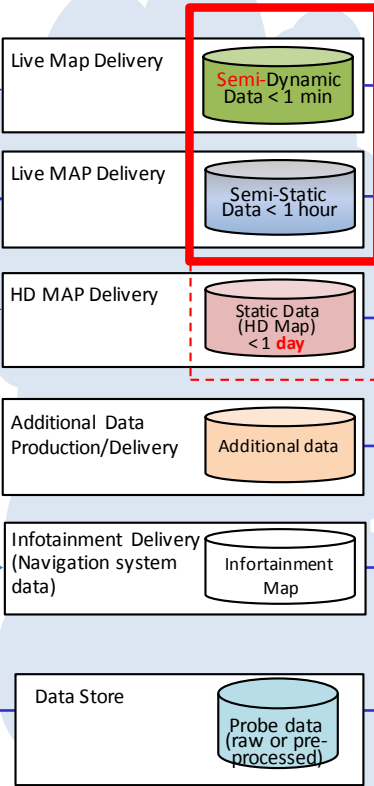
Data Model



OEM-specific Backends

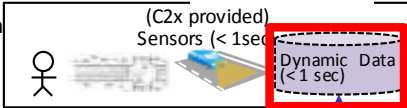
[Auto Drive Related
Data Provision]

Data Model



VEHICLE

Vehicle
ITS Station

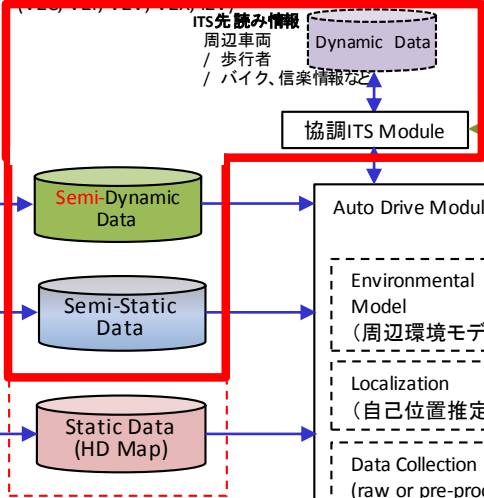


(Local)
Sensors (< 1sec)

Sensor
Data

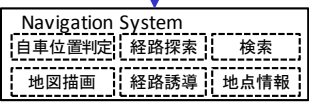
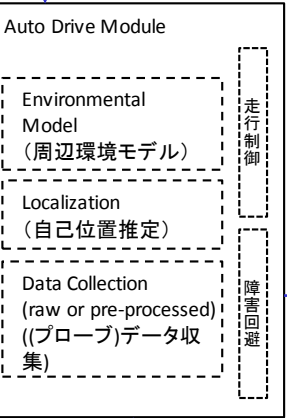
Communication Module
(V2V, V2I, V2N, V2X, I2V)

Data Model



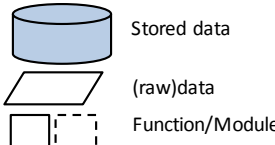
ITS先読み情報
周辺車両
/ 歩行者
/ バイク、信楽情報など

協調ITS Module



Probe Data
(raw or pre-processed)

Legend



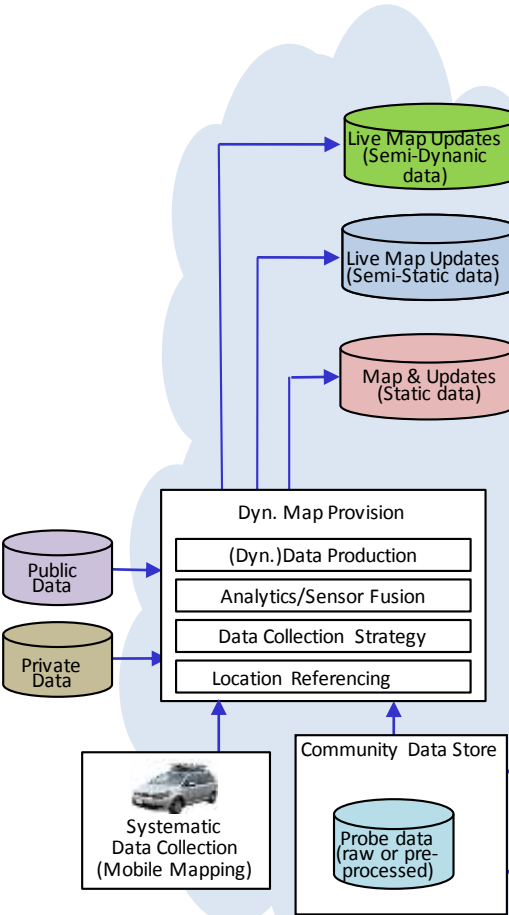
- ・ GDF5.1（静的地図交換ファイルフォーマット）およびその他関連する標準を踏まえて地図要素を具体化。
- ・ 静的 + 動的を一体的にモデル化。

- (N) NDS
- (A) Adasis
- (S) Sensoris
- (T) TPEG

INFRASTRUCTURE

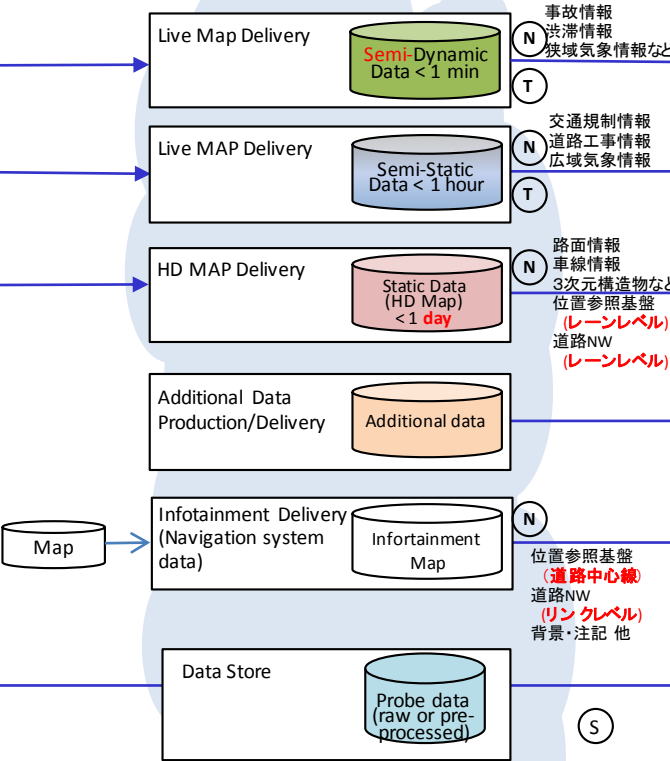
Backend (one or multiple) operated by Map supplier / OEM / 3rd Party

[Dynamic Map Provision]

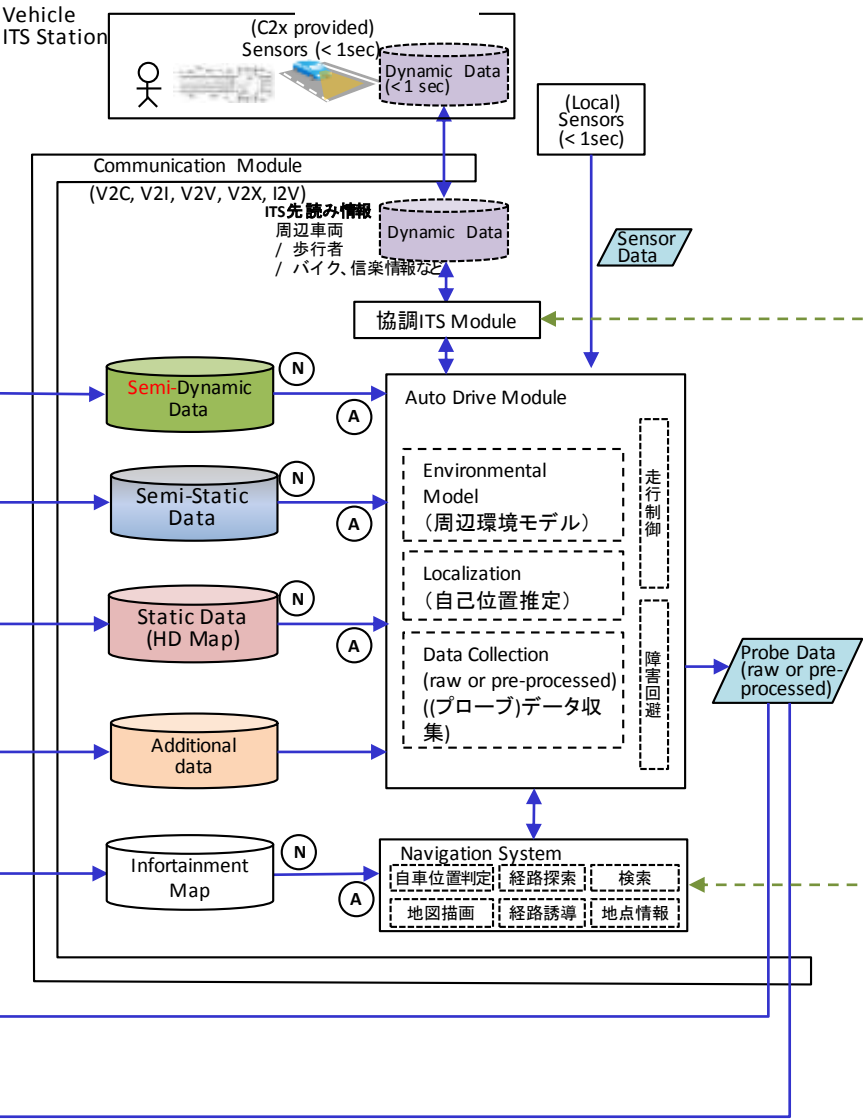


OEM-specific Backends

[Auto Drive Related Data Provision]



VEHICLE



Legend

- Stored data
- (raw) data
- Function/Module