

Approval marking on Glazing materials

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Flat Glass Manufacturers Association of Japan

The 16th Public and Private Joint Forum in Asian Region

1. Introduction of FGMA of Japan

FGMA of Japan: Flat Glass Manufacturing Association of Japan

Objective

Our objective is to foster the sound development of Japan's flat glass industry and to contribute to the realization of a sustainable society.

Member Profile



- AGC Inc.
- Nippon Sheet Glass Co., Ltd.
- Central Glass Products Co., Ltd.

History

The Flat Glass Manufacturers Association of Japan was established on September 1, 1947, as an industry organization formed by domestic flat glass manufacturers.

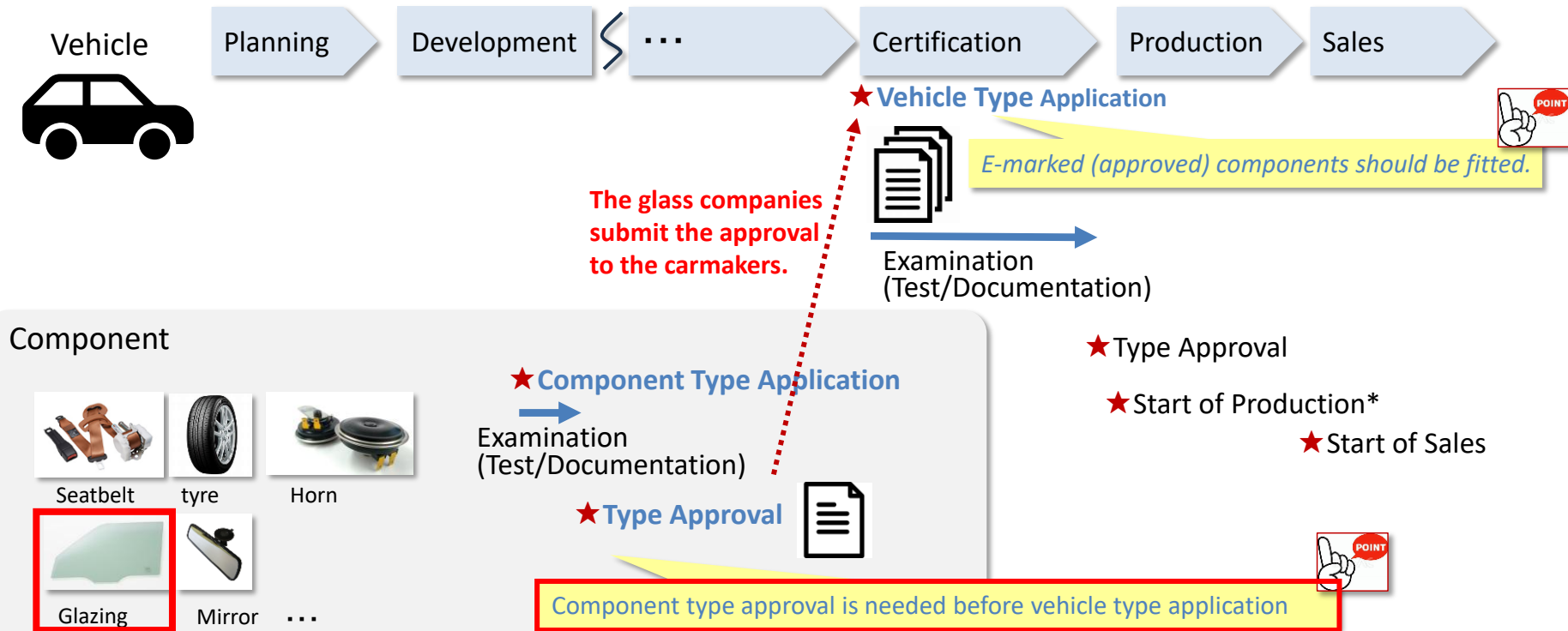
It is currently organized of three member companies:

AGC Inc., Nippon Sheet Glass Co., Ltd., and Central Glass Products Co., Ltd.

2. Basic understanding of the glass component regulation

- Component type approval has to be included in vehicle type application.(UN-R case)

<Rough development process (Image)>



*FYI)OEM can start of mass production after vehicle type approval

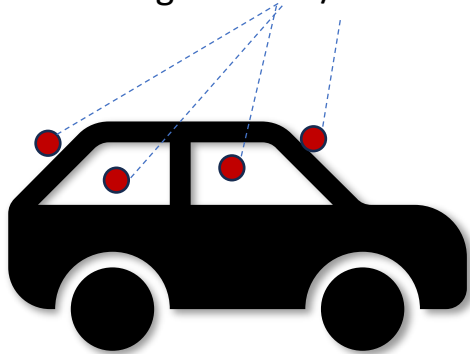
3. Basic understanding of the difference between vehicle & component regulation

- Supply/Sales destination

- Glass Components are supplied to vehicle manufacture and their dealers.

➤ Vehicle and Components

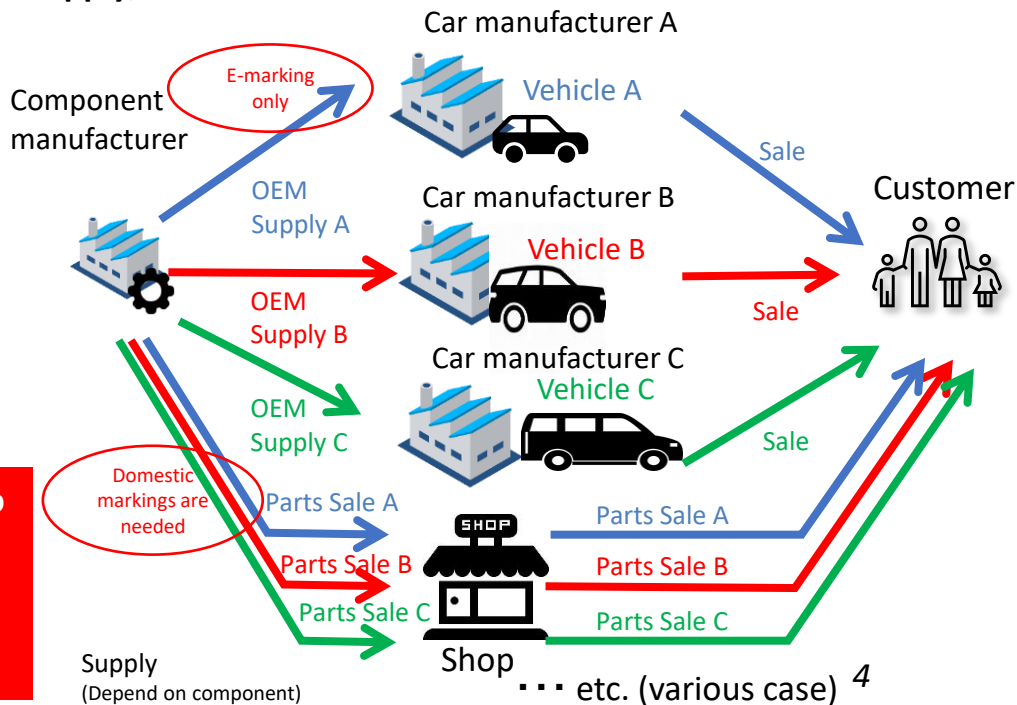
Glazing of Doors/FW



Glass manufacturers supply same quality of glasses to the OEM and shops for those Vehicle.

e.g. "OEM supply A" (Vehicle A) = "Parts sale A" (for Vehicle A)
But marking may differ.

➤ Supply/Sales destination



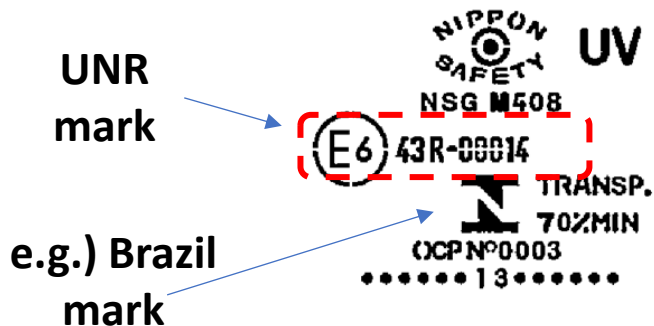
4. The current state of glass marking in countries

- Some countries have their own unique component certifications.
- Some of them require to stamp components with their own country's certification mark, and some do not.

For Parts sale

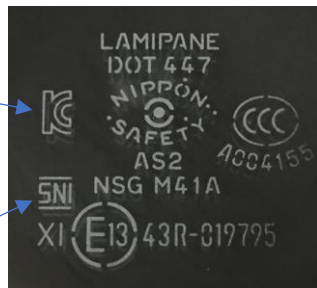
Accept only UN mark : Cambodia, Malaysia, Vietnam, Philippines

Not accept only UN mark : Indonesia, Thailand, Brazil, South Korea



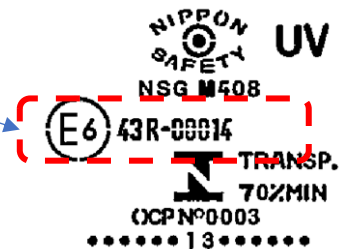
e.g.) South Korea mark

e.g.) Indonesia mark



5. Japan's 1958 Agreement Acceptance System

Japan acceded to the 1958 Agreement and UNR mark is acceptable.



- Merit 1:** Efficient process of examination by increasing the items subject to mutual recognition
- Merit 2:** Smoother international distribution
- Merit 3:** Efficient process of obtaining approval by increasing the items subject to mutual recognition
- Merit 4:** Efficient inventory management of parts etc . . .

Thank you for your attention