

Japanese type approval system

The 55th Asia Expert Meeting in Myanmar

Date: February 22nd, 2019



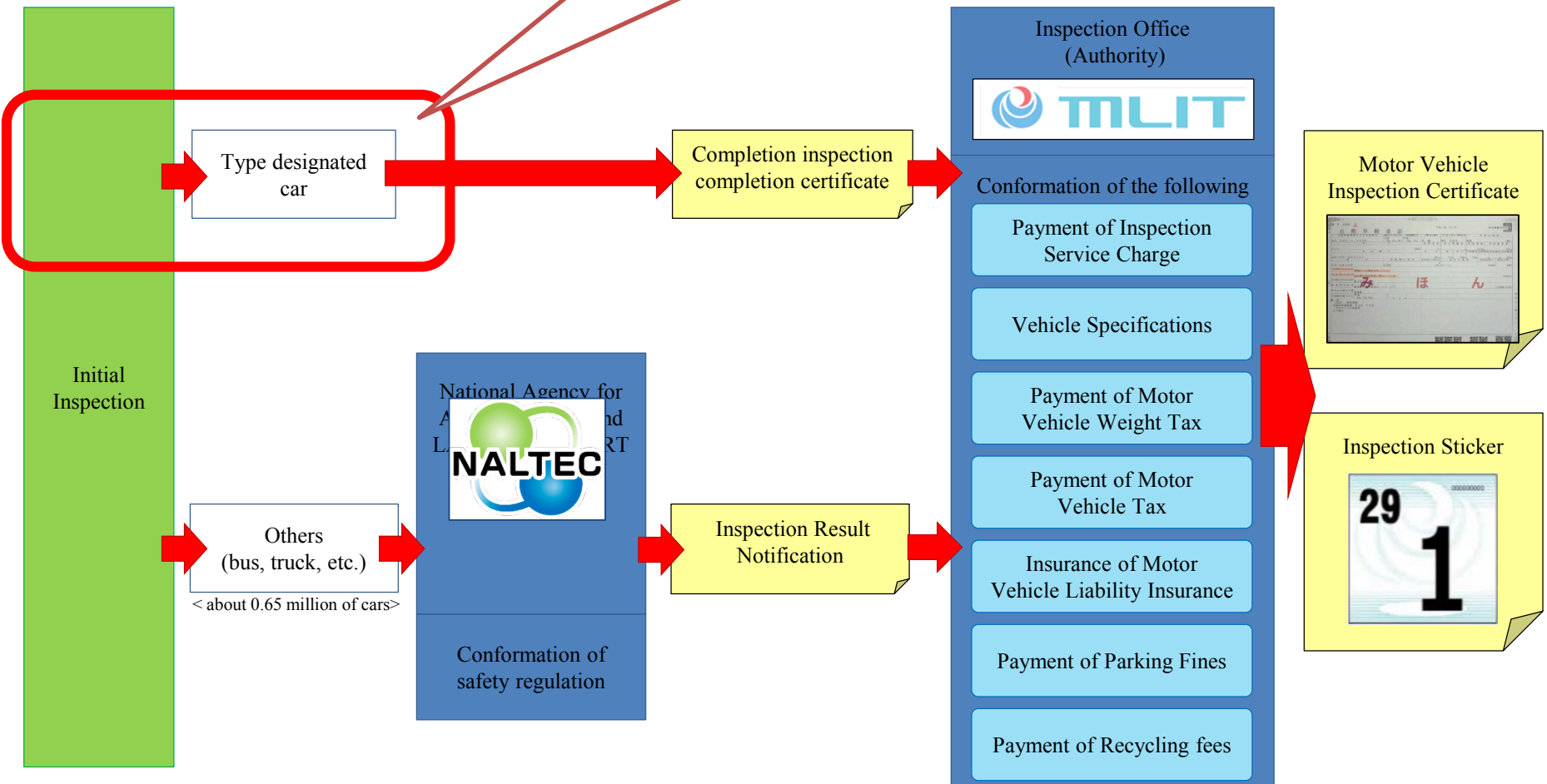
JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER

Role of Type Designation System

- ◆ In case of Type-designed cars, it is possible to omit the presentation of motor vehicle itself during the initial inspection at the Transport Branch Office, etc., with the completion inspection certificate issued by the motor vehicle manufacturer.

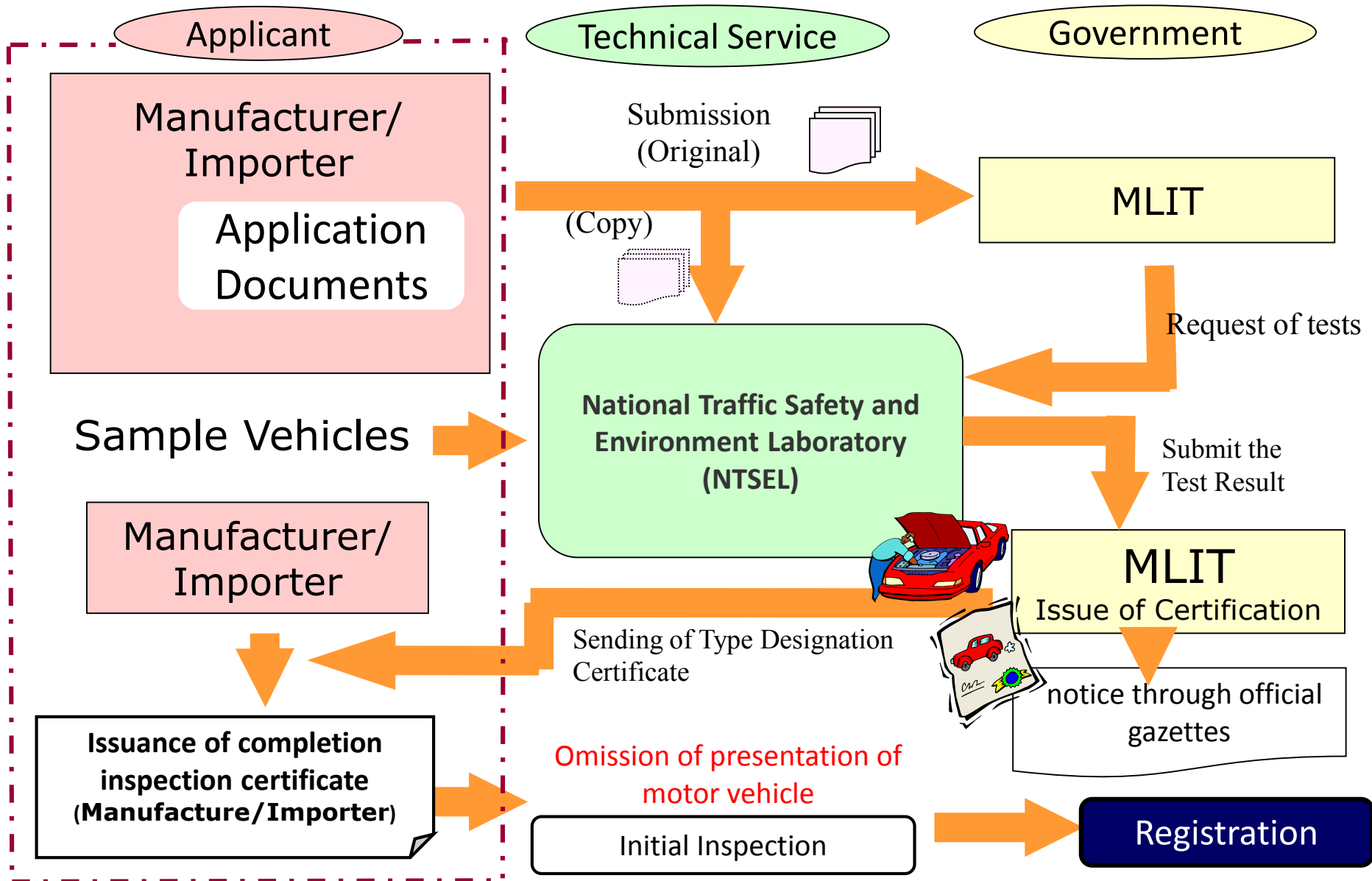
Vehicle Inspection Flow

Type Designation System



- For mass-production motor vehicles which have the identical construction, device and performance.
- The examinations are carried out for...
 - ◆ Actual motor vehicle : Compatibility of safety and environmental regulations
 - ◆ Document : Quality control system and uniformity
- After the motor vehicle has been type-designed, it is permissible to omit the presentation of motor vehicle itself during the initial inspection at the Transport Branch Office, etc., with the completion inspection certificate issued by the motor vehicle manufacturer.

Flow of Vehicle Type Designation System





Testing of occupant protection in head-on collisions

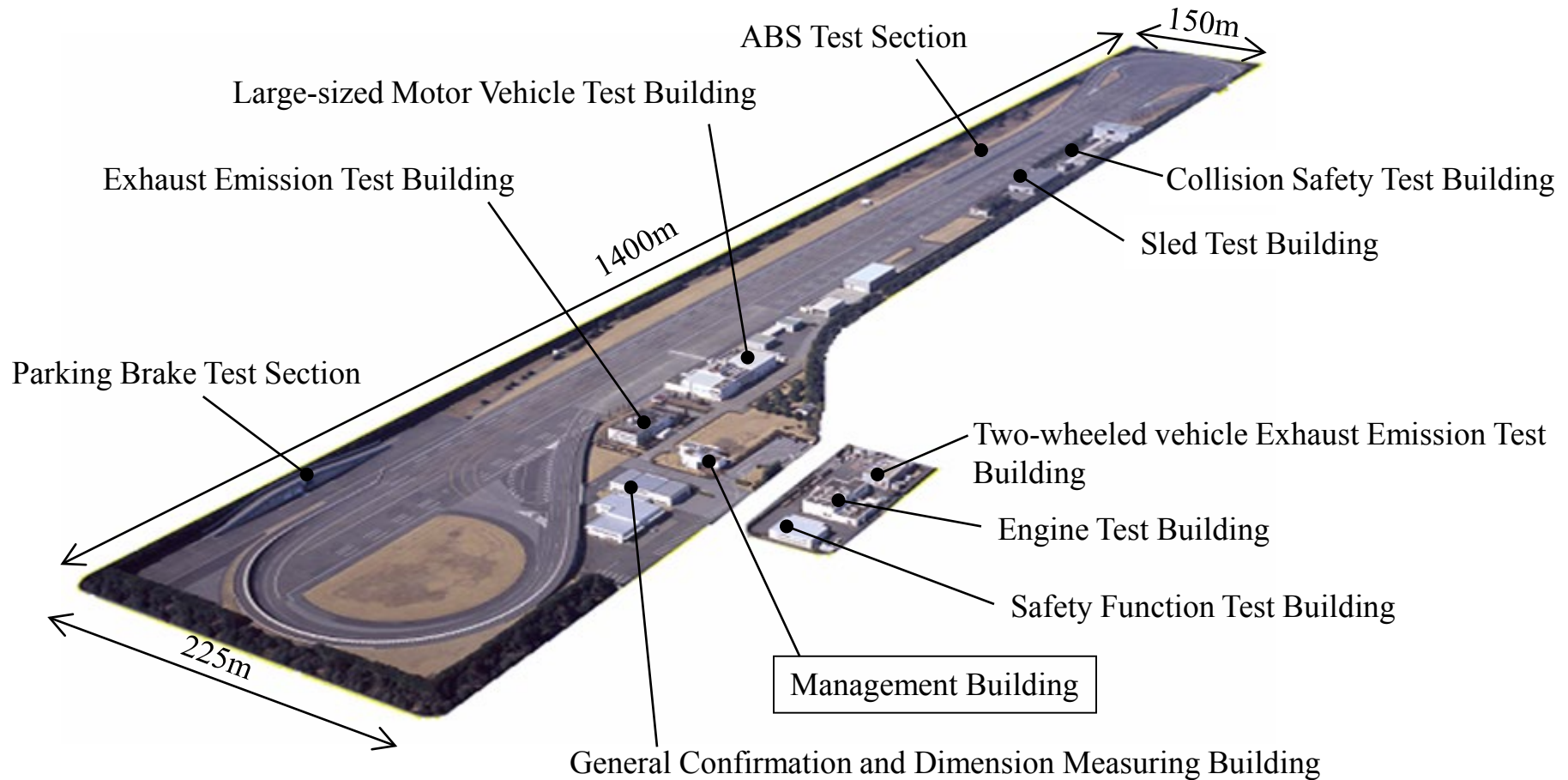


Inspection at a German test institute

From the website of NTSEL
<http://www.ntscl.go.jp/ogani/sinsa/sinsa.html>

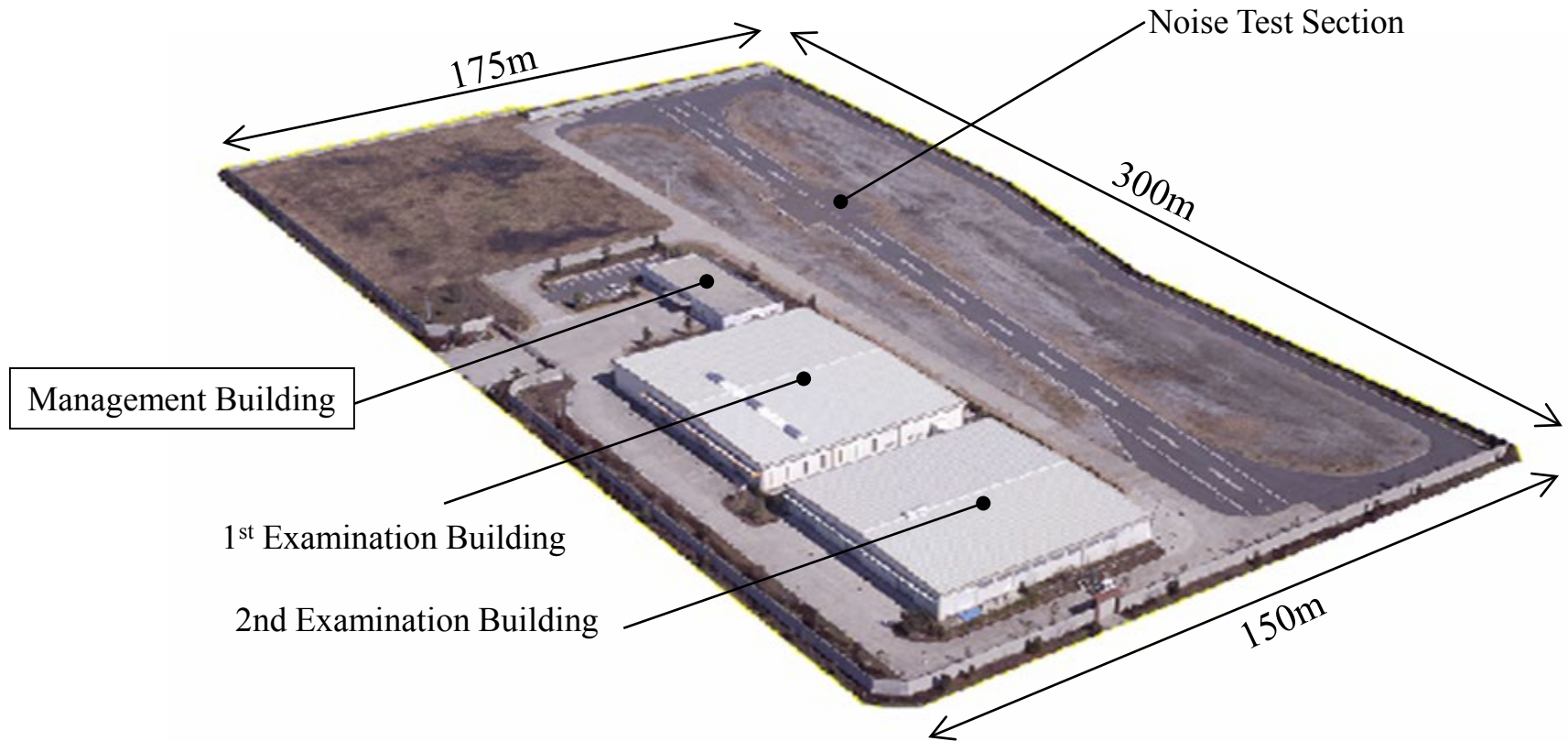
- Examinations are carried out at the National Traffic Safety and Environment Laboratory (NTSEL), for confirming conformity to safety and environmental regulations by using actual vehicles.
- Inspectors are dispatched to motor vehicle manufacturers outside Japan to conduct tests on motor vehicles locally.
- If devices equipped in the vehicle have certified by **Type Designation System for Devices**, **It is permissible to omit the examination of the devices**, concerned as to conformity to the safety regulations for motor vehicles, at the time of examination of type designation for motor vehicles.

Automobile Proving Ground of NTSEL (Location : Kumagaya, Saitama Prefecture)



Total Land Area : 246,000m²

2nd Automobile Proving Ground of NTSEL (Location : Kumagaya, Saitama Prefecture)



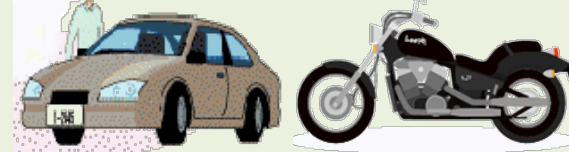
Total Land Area : 50,000m²

Main objective of MRA (1958 agreement);

- Development / revision of regulations, and **utilization of same regulations** by member countries.
- **Mutual acceptance** among member countries **of certification/ test report** issued by member countries.

MRA

Car/MC & Parts Manufacturers



Approval/Test report of
Country A

Country
A

Country
B

Country
C

Country
D

Country
E

Once Approval/Test report is issued, that is accepted by other countries.
(Member country **accepts the approval/Test report each other.**)

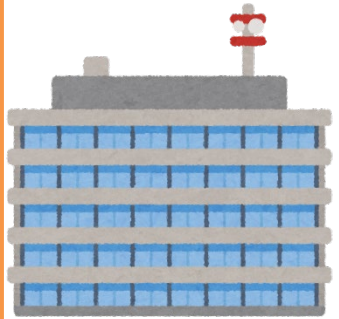
- The examinations are carried out for...
 - ◆ Actual device : Compatibility of safety and environmental regulations
 - ◆ Document : Quality control system and uniformity
- It is possible to put an indication mark “E” pursuant to the UN/ECE 1958 Agreement on those devices applicable to mutual recognition.



- The certificates of type designation for devices are accepted by other countries (Contracting Parties of the 1958 agreement) which have acceded to the 1958 agreement and applied same UN regulation according.

Contracting Party(CP)

Specify



AA

Designate

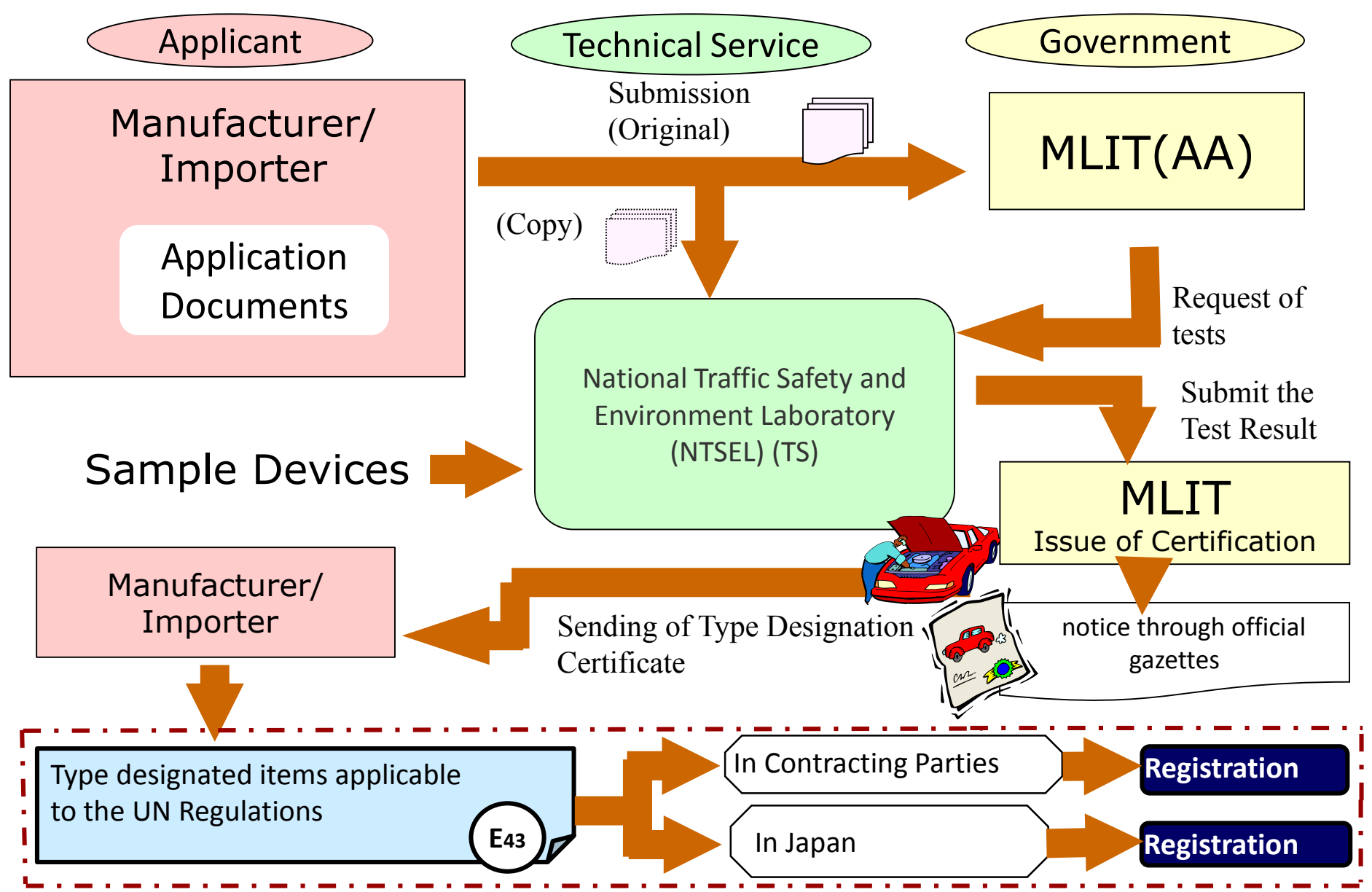


TS

- The country has to accede to the 1958 agreement (The country must be Contracting Party (CP) of the 1958 agreement)
- The country has to apply the UN regulation on which the certificate is based
- CP shall specify an Approval Authorities (AA) and AA may designate Technical Services (TS) for the UN regulation.



UNR certificates (E certificates) are issued under the 1958 agreement.




Example of UNR certificate

The statement of compliance shall include at least the following:

- (a) Group or company (e.g. XYZ Automotive);
- (b) Particular organization (e.g. Regional division);
- (c) Plants/sites (e.g. Engine plant 1 (in country A) - Vehicle plant 2 (in country B));
- (d) Vehicle/Component range (e.g. all category M₁ models);
- (e) Areas assessed (e.g. Engine assembly, body pressing and assembly, vehicle assembly);
- (f) Documents examined (e.g. Company and site quality manual and procedures);
- (g) Date of the assessment (e.g. Audit conducted from dd/mm/yyyy to dd/mm/yyyy);
- (h) Planned monitoring visit (e.g. mm/yyyy).

Example: UN R95

(only page1)

ECE 95	
別紙 1 Annex 1	
(最大 A 4 判 (210 × 297mm)) (maximum format: A4 (210 x 297 mm))	
通 知 COMMUNICATION	
	国土交通省 Ministry of Land, Infrastructure and Transport
側面衝突時の乗員保護装置の装置型式指定基準に基づく側面衝突時の乗員保護装置を備える自動車の型式に係る	
型式の指定 ^{注2} 指定の変更承認 指定の拒否 指定の取消し 生産の中止	concerning ^{2/} APPROVAL GRANTED APPROVAL EXTENDED APPROVAL REFUSED APPROVAL WITHDRAWN PRODUCTION DEFINITELY DISCONTINUED of a vehicle type with regard to protection of occupants in the event of a lateral collision pursuant to Regulation No. 95
について	
型式指定番号.....	指定の変更承認番号.....
Approval No.	Extension No.
1. 自動車の商号又は商標..... Trade name or mark of the power-driven vehicle	
2. 自動車の型式..... Vehicle type	
3. 指定製作者等の名称及び所在地..... Manufacturer's name and address	
4. 指定製作者等の代理人の名称及び所在地（該当する場合）..... If applicable, name and address of manufacturer's representative	
5. 指定申請日..... Vehicle submitted for approval on	
6. 使用する側面衝突ダミー ES-1 / ES-2 / 2..... Side impact dummy utilized ES-1 / ES-2 2/	
7. 指定試験の実施を担当する技術機関..... Technical service responsible for conducting approval tests	
8. 試験成績書発行日..... Date of test report	
9. 試験成績書番号..... Number of test report	
10. 型式指定／指定の拒否／変更承認／指定の取消し 注2	
1	

Thank you for your attention.