

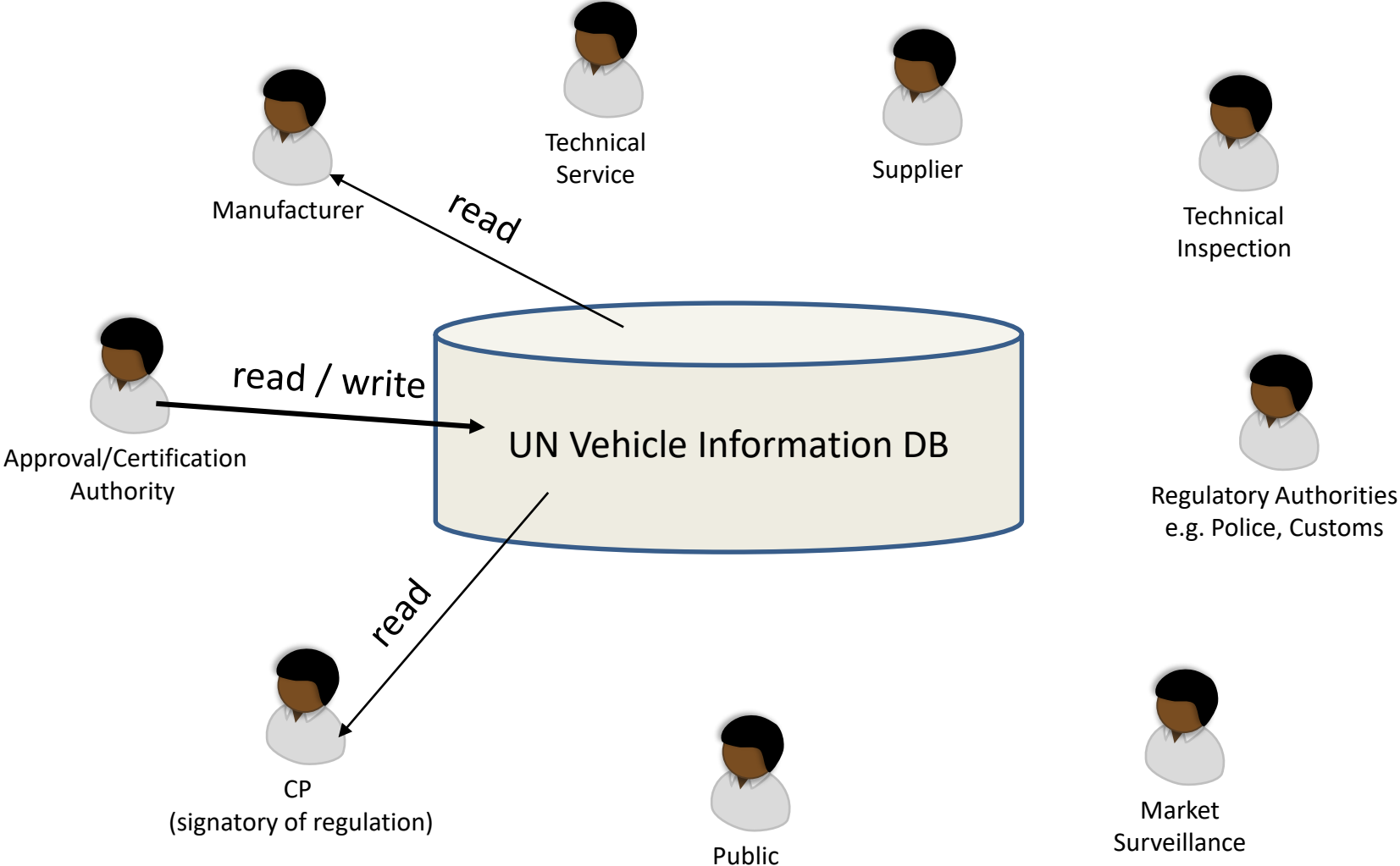
UN Vehicle Information Exchange Database - DETA

- a summary about the functions and benefits -

Concept

- Set up of an international database for the exchange of vehicle information
- International use of the CPs in WP.29
- Different levels of information
- Different access rights for different stakeholders

Stage V1



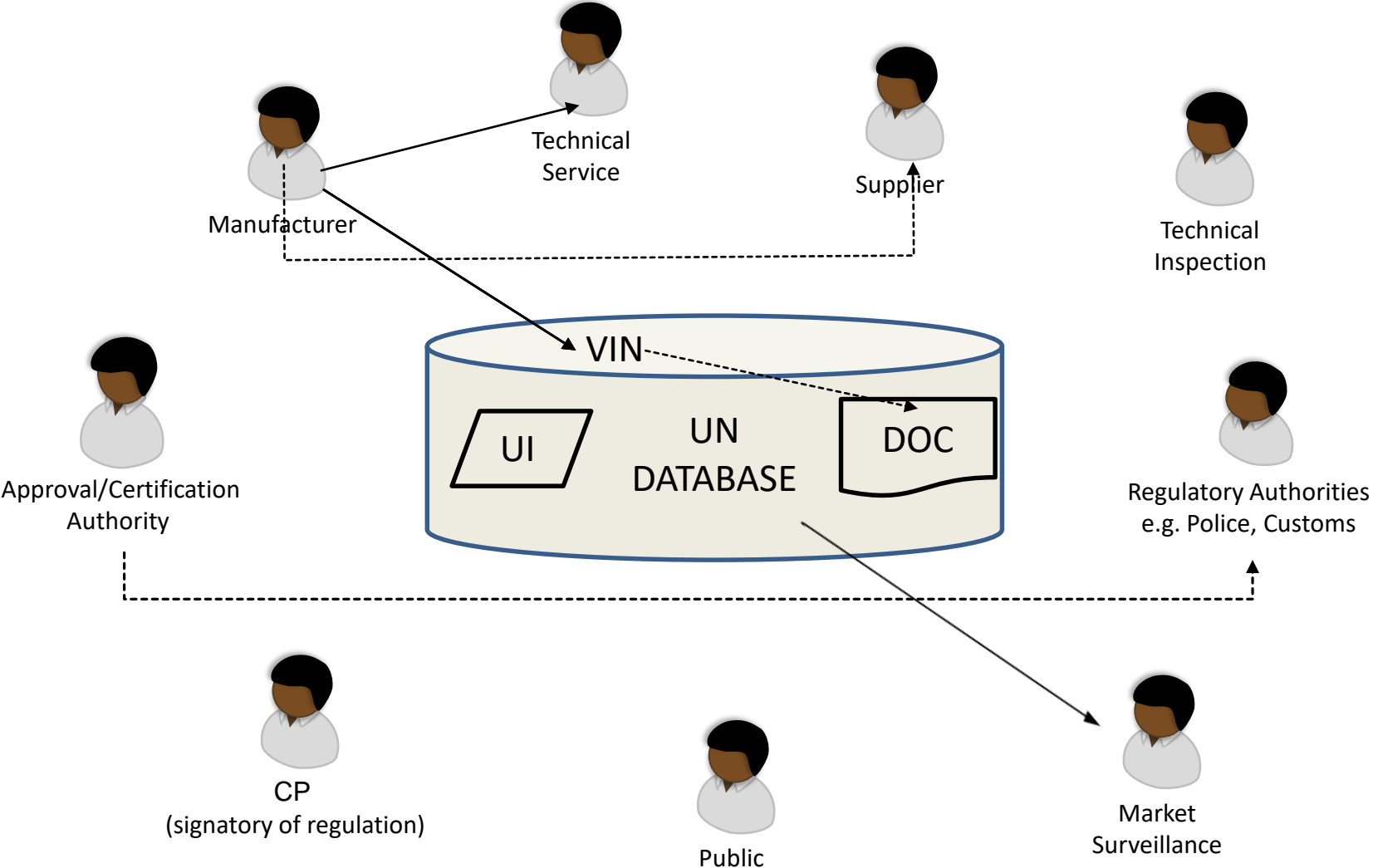
Stage V1 – Functions – current system

- Predefined access rights for different groups
 - Approval/Certification Authority, CP reading approvals, manufacturer, etc.
- Creating document folders and uploading document parts (pdf-files) by Approval/Certification Authority
- Predefined attributes for document folders (e.g. approval no., authority, manufacturer, type)
- Read access for CP (signatory) and manufacturer (type approval holder)
- Changing attributes / deleting document folders / document parts (pdf-files) only possible for creating Approval/Certification Authority (document owner)

Stage V1 – Benefits

- Cost reducing because no paper sending necessary
- Reduction of administrative burden
- Improved transparency, e.g. keeping track of whether a vehicle has already received refusal
- Secure storage of authentic documents and information
- Centralized management and administration
- Worldwide access to type approval documents for manufacturers and CP/ Approval/Certification Authority

Stage V2



Stage V2 – Functions – agreed development

- Extended rights management; reading access can be granted e.g. by manufacturer to supplier or TS or by CP authority to other official authorities
- Managing UI (unique identifier) by CP authority
- Uploading VINs for DOC by manufacturers and Approval/Certification Authority
- Enable access to more parties, e.g. Technical Service, Technical Inspection, Market Surveillance, Police, Customs, Registration Authorities

Stage V2 – Benefits

- Simplification of marking by UI
 - reducing the vast number of complicated markings
 - prerequisite for simplification of many regulations
- Reducing administrative efforts by extended rights management
 - Manufacturer **and** authorities
- Easy access to information about approvals by search via UI
- Easy summary of the approvals/technical standards of a single vehicle
(DOC ↔ FIN)
- Improved possibilities to detect forgeries for Market Surveillance
- Easier verification of legal admission for Regulatory Authorities
- Better access to shared documents for the purpose of PTI

Further Stages V+ – ideas to be developed

- Upgrading the database as a secured document management system
- Upload of additional documents by manufacturer and authorities
 - e.g. Certificates, recall information
- Upload of single vehicle related data (new / in service)
 - e.g. Software Versions – SWIN
 - recall information
- Exchanging of structured data → xml-files
- Enable partly access to third parties (e.g. dealer / public)

Stage V+ - Benefits

- **One** combined database for vehicle types / single vehicles and components
- Transparent vehicle (type and VIN based) and component information
- Worldwide access (without request) to compliance documentation
 - verify the validity and authenticity of certificates
 - MSA / TAA / CP / member states and manufacturer
 - Importers, Dealers, Public
- Crucial for market surveillance and customs checking vehicles / components
- Important for manufacturers for easy registration of vehicles
- Important for supplier for easy market access for approved components
- Benefits for PTI (allowed software versions) and road side checks
- Prerequisite for follow up of software updates → automated driving