



EU Root CA

Level 0 registration guide



1. The C-ITS EU Root CA is funded by the European Commission
2. The different services provided to the C-ITS ecosystem are deployed and operated by Atos on behalf of the European Commission
3. The different EU Root CA services are provided against no charge

Steps of the registration process



1. Send your request to use the **EU RCA L0 service** to dl-cits-eurca-registration@eviden.com, putting jrc-c-its-eu-rca@ec.europa.eu in copy, indicating "EU RCA L0 service registration – [Organization name]" in the subject of your e-mail and briefly describe your **project needs** (e.g. *internal developments, C-Roads pilot, interoperability tests, client project*), its **expected duration** and **quantities of OBUs and RSUs**.
2. When receiving the **C-ITS EU ROOT CA & SUB-CAs SAAS AGREEMENT**, fill it out and sign it, join the legal registration proof of your organization and send both documents to the same e-mail addresses. Please name **two trusted persons** of your organization responsible for PKI related interactions.
3. After receiving the confirmation of your authorization to use the service, please follow the instructions to send the information of the **stations to be enrolled** in the L0 PKI (e.g. ID and key, permissions – template file to be provided by ATOS). In return, PKI information (certificates & URLs) will be provided.

Terms & conditions overview



- ▶ The EU RCA LO service is provided by ATOS (IDnomic) on behalf of the European Commission. ATOS reserves the right to grant access to the service
- ▶ The EU RCA LO service is operated by ATOS and data are located in France
- ▶ The EU RCA LO service is delivered against no charge and shall be used for testing purpose only
- ▶ The EU RCA LO service is compliant with ETSI TS 103 097 V1.3.1 and ETSI 102 941 V1.3.1
- ▶ The EU RCA LO service is open 24/7. However technical interventions with possible impact on the service may happen during working hours. ATOS support is only operating during working hours (week-days, 9am-6pm Paris time); this includes stations registration and incident recovery.
- ▶ ATOS may temporarily or definitely deactivate access to the PKI in case of inappropriate behavior; in particular for clients having stations significantly overcharging the PKI with certificate requests
- ▶ Configuration of the EU RCA LO service (esp. RCA and AA certificates) may evolve on a regular basis. ATOS will inform all enrolled clients prior to configuration update
- ▶ The European Commission remains involved and informed on the enrolment and service usage of the C-ITS EU RCA Service from Atos
- ▶ Name of organizations using the EU RCA LO service may be used in ATOS or European Commission public communication in relation to the EU RCA service

Stations enrollment



- Enrollment of C-ITS stations in the EU RCA L0 PKI is done by ATOS. A dedicated file is used to provide required information : permissions profile to be used and C-ITS stations to be registered.

	Name	Max EC validity period	Max AT validity period	Max AT preloading period	Validation request requires privacy	Allowed permissions
Attribute format	ASCII	Integer:Unit	Integer:Unit	Integer:Unit	Optional, True, or False	PSID:SSP ; PSID:SSP ; PSID:SSP ; ...
Default profile	Default Profile	3:Years	7:Days	30:Days	Optional	36 : 010000 ; 36 : 01E500 ; 36 : 01FFFC ; 37 : 01000000 ; 37 : 01FFFFFF ; 137 : 01E0 ; 138 : 01C0 ; 139 : 01744000FFF8 ; 140 : 01FFFFE0 ; 141 ; 623 : 01C0
Profile01						
Profile02						
Profile03						
...		Canonical name	Public key	Attached profile name	Station status	Tags (optional)
...	Attribute format	ASCII (possible in HEX also)	RFC 5480	ASCII	Status	ASCII
	Example	Company_MyStation0001	3059 3013 0607 2A86 48CE 3D02 0106 082A 8648 CE3D 0301 0703 4200 0462 83FD 5D98 9904 8B76 E3E7 AABC 05C4 0A45 46C1 30C6 56F6 BDD3 97D1 1125 4114 EB01 0631 9254 9D45 67D7 1EF2 3C56 F596 2064 0867 CB88 868C 986C 227D E721 2BAA BD	Default Profile	Activated	EmailOfOperator1 Compagny_name1 Operator1 Station_usage1
	Station01					
	Station02					
	Station03					
	...					