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Croatia: national replication context

This annex summarises key national regulatory and market conditions relevant to replicating FEDECOM in Croatia. It complements Chapter 7 of the [FEDECOM Replication Playbook](#) and [Online Self-Assessment Tool](#) by providing country-specific details on legal and regulatory frameworks impacting FEDECOM solution implementation. This information is current as of August 2025 and is intended as guidance only — users should consult local experts and authorities to confirm regulatory feasibility.

Step 1. Ability to perform individual self-consumption

1.1 Individual self-consumption framework in place

- **Framework in place:** Partially ●
- **Legal framework:** Energy Act (Official Gazette No. 120/2012, as amended); secondary legislation on prosumers
- **Comment:** Individual self-consumption is legally enabled. Practical uptake is constrained by an ongoing smart meter rollout and administrative procedures.

Step 2. Ability to create an energy community

2.1 Creation of a Renewable Energy Community

- **Framework in place:** Partially ●
- **Legal framework:** Energy Act amendments transposing Directive (EU) 2018/2001 (RED II)
- **Comment:** Renewable Energy Communities are legally defined. Implementation is still limited due to procedural complexity and lack of guidance.

2.2 Creation of a Citizen Energy Community

- **Framework in place:** Partially ●
- **Legal framework:** Energy Act amendments transposing Directive (EU) 2019/944



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- **Comment:** Citizen Energy Communities are recognised in law. Practical implementation remains at an early stage.

2.3 Creation of a CSC arrangement

- **Framework in place:** Partially ●
- **Legal framework:** Secondary regulations on self-consumption and energy sharing
- **Comment:** CSC arrangements are legally possible. Operational experience remains limited.

Step 3. Ability to engage in energy sharing (CSC)

3.1 Process to register an energy sharing scheme

- **Framework in place:** Partially ●
- **Legal framework:** DSO (HEP ODS) registration and approval procedures
- **Comment:** Registration with the DSO is required. Procedures are not yet standardised and can be time-consuming.

3.2 Energy sharing coefficient available

- **Framework in place:** Partially ●
- **Legal framework:** CSC implementation rules under secondary legislation
- **Comment:** Energy sharing relies on predefined static allocation coefficients. Dynamic coefficients are not supported.

Step 4. Ability to create an inner-community P2P market

4.1 Price differentiation within the community

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Community members cannot freely define internal electricity prices.

4.2 Availability of the dynamic sharing coefficient



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- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Dynamic or real-time sharing coefficients are not foreseen.

4.3 Ability to communicate the coefficient ex-post

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Ex-post modification or communication of coefficients is not permitted.

4.4 Alignment between the frequency of sharing coefficient communication and the timing of ex-post communication

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** No regulatory alignment mechanism exists.

Step 5. Ability to enable inter-community energy exchange

5.1 The ability to create a structure covering several energy communities sets

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** There is no legal structure enabling federated or multi-community energy exchange.

5.2 Consistency between these requirements and CSC rules

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Existing CSC rules apply only to single-community arrangements.

5.3 Recognition of the hierarchical allocation method

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Hierarchical allocation methods are not recognised.



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