A REVIEW OF THE ITACA Protocol

**ITACA Protocol**

(Conference of Regions and Autonomous provinces)

**RELATED NATIONAL PROGRAM**

Validity Period: From 2004

**INVOLVED STAKEHOLDERS**

- Decision makers
- Ownership
- Agencies and Professionals
- Trade people
- Managers
- Investors
- Communication
- Participation
- Education
- Incentives

**DESCRIPTION OF THE TOOL**

The ITACA Protocol, "Standards for Sustainable Building", is an energy-environmental certification tool including quality of the building and building components. So far it has been integrated within the EPBD implementation system in region Marche, Basilicata, Friuli Venezia Giulia, Lazio, Puglia, Toscana. Moreover, 13 regions (of the 20 in Italy) use it for assess the building at design stage (competitions, call for tenders for residential public building mainly). The ITACA certification allows benefits as incentives for renovation and urbanization burden reduction, volumetric bonuses, controlled loans (for new buildings mainly). Since 2007 the Conference of Regions and Autonomous Provinces has approved the draft regional law that refers to the protocol, as a common reference for regions to take up shared actions and initiatives in:

- defining and developing procedure for the management and/or award of contracts including quality systems inspired by EN ISO;
- Promoting and disseminating good sustainability practices in services, supplies and public works;
- To use eco-friendly, certificated building materials.

The final certification of sustainability also internationally recognized: iiSBE (Italy) established a written agreement with ITACA in order to support the Italian Regions to define and apply the assessment and certification system.

The Federal activity is carried out through committees and working groups made of various stakeholders, regional technicians and representatives of local governments. This has allowed comparison and sharing of projects results.

**WEBSITES**

http://www.itaca.org/

**QUALITY REQUIREMENTS**

<table>
<thead>
<tr>
<th>RENOVATION STAGE</th>
<th>Private housing</th>
<th>Social housing</th>
<th>Type of Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analysis and diagnosis</td>
<td>☐</td>
<td>☑</td>
<td>☐ Minor</td>
</tr>
<tr>
<td>Design</td>
<td>☐</td>
<td>☑</td>
<td>☐ Minor</td>
</tr>
<tr>
<td>Execution, installation</td>
<td>☐</td>
<td>☑</td>
<td>☐ Minor</td>
</tr>
<tr>
<td>Use, maintenance, inspections</td>
<td>☐</td>
<td>☑</td>
<td>☐ Minor</td>
</tr>
</tbody>
</table>

**PEOPLE**

- Mandatory ☐ Voluntary ☑

**PRODUCTS**

- Mandatory ☑ Voluntary ☐

**CONTROL/INSPECTIONS**

- Mandatory ☑ Voluntary ☐

**Description of Quality requirements**

An Accreditation Scheme guarantees Evaluating Team's competences. The training process...
of the evaluation team is designed in order to develop and maintain the competences and practice since it includes periodic requalification process.

The tool allocates a score of eco-sustainability and provides a set of requirements with minimum thresholds. Performance and characteristic parameters of particular aspects are contained in nearly 100 factsheets. Credits are assigned for 12 criteria divided in 2 evaluation areas: Sources consumption (winter energy and summer consumption, sanitary hot water, natural lighting, electric energy from re, eco-friendly materials, drinking water, maintenance) and Environmental loads (carbon emissions, solid waste, liquid waste, soil permeability). The evaluation process ends up with a rating of the performance of the building, so providing a common base of reference for all stakeholders, such as decision makers, professionals, owners, trades-people, investors. Zero rating represents the minimum acceptable performance in compliance with Italian technical standards and legislation. 3 represents the best available constructive practice, 5 the excellence).

An independent Certification Body performs the assessment process of sustainable built environment evaluation and registers the audited buildings. An auto-evaluation from the designing group is validated by a certification body (as ICMQ) through accredited auditors. The final certificate “ITACA Protocol” is issued by the SB Council (SBC, sustainable Building Alliance made of iiSBE, Italian Regions, a Bank, several building research institute, the Italian national association of builders that manages the Protocol ITACA, coming from a simplification of the SBC tool).

The customer is also provided with:
- Free software for simplified audit
- Other self-assessment tools (e.g. check lists on age/maintenance of buildings components, visual check, fault detection, etc.)
- How to get energy audits
- How to access incentives and associated technical procedures
- Technical advice (guidelines/factsheets on advantages of partial or complete renovation, information on cost effectiveness of measures, etc.)
- Information to lists of accredited and qualified trades people (installers, contractors), labelled products and processes, maintenance and user guidelines
- Models for contracts, codes of conduct, assurances for trades-people
- Reference to minimum mandatory requirements for mandatory measures
- Reference to minimum voluntary requirements for non mandatory measures
- Models for contracts and agreements for the different actors involved
- Other information provided to the customer

SUCCESS CRITERIA

- appreciation of target groups
- average bill savings
- awareness level
- conformance to standards requirement
- contracted power
- cost effectiveness
- ecological effect unit
- installed surface (collectors, PV)
- investment acceleration ratio
- market development
- number of installations
- overall costs for owner
- public cost

"The sole responsibility for the content of this paper lies with the authors. It does not represent the opinion of the Community. The European Commission is not responsible for any use that may be made of the information contained therein."
☐ efficiency of use of public money
☐ energy savings
☐ GHGs emissions reduction (CO2 emission reduction)
☐ high quality of workmanship
☐ quote of consultancies/realizations (implementation of recommendations)
☐ ratio submitted/paid grants
☐ reduction of power demand unit