## Implementation Framework - Awareness Training

<table>
<thead>
<tr>
<th>Time &amp; Venue</th>
<th>12 Nov 2013, 5 Dec 2013, The hongkong federation of youth groups</th>
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<tbody>
<tr>
<td><strong>Aim</strong></td>
<td>Provide fundamental knowledge of the CFP and the labelling scheme</td>
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<tr>
<td><strong>Who should attend</strong></td>
<td>Industry practitioners, Material suppliers, BEAM Pro, Potential carbon auditors &amp; verification bodies</td>
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| **Course structure** | ▪ Concept of CFP and life cycle assessment  
                          ▪ Overview of the Carbon Labelling Scheme  
                          ▪ General requirements and principles of CFP assessment |
| **Examination**    | None |
| **Prerequisite**   | None |
| **Remarks**        | ▪ Open to all  
                          ▪ CPD Points - 3 hours |
## Implementation Framework - Auditor Training Course

| Time & Venue | Cement (16 Dec 2013), Steel & rebar (19 Dec 2013)  
Wanchai, HKMA. |
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<tbody>
<tr>
<td>Aim</td>
<td>Offer professional training for accrediting trainees to be a certified carbon auditors (CCA) for CFP quantification and reporting</td>
</tr>
<tr>
<td>Who should attend</td>
<td>Material suppliers, BEAM Pro, Potential carbon auditors, Potential GHG verification bodies</td>
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</tbody>
</table>
| Course structure | ▪ System boundary and sources of GHG emissions  
▪ CFP quantification and reporting  
▪ Use of carbon footprint audit protocols  
▪ Carbon reduction strategies |
| Examination | Yes |
| Remarks | ▪ CPD Points - 6 hours  
▪ Certified Carbon Auditor is qualified for carbon auditing and reporting for specific product categories.  
▪ Valid for 3 years. |
Implementation Framework
- How to become a Certified Carbon Auditor

Complete Awareness Course

ISO 14001 Certified Auditor

OR

Carbon Auditor Professional (CAP)

OR

Certified PAS 2050 Verifier

Complete Auditor Course

Register under ZCB
Details of the registration will be available at the ZCB website

Grace period for the CFP study reports issued by non-certified CCA with at least 2-year experience in CFP auditing: **12-months**
Implementation Framework (cont.)

**Training**
- HKGBC provides training programme materials suppliers and GHG verification bodies

**Auditing**
- Material supplier engages a consultant to prepare carbon footprint study report
- Material supplier engages accredited GHG verification bodies to verify & validate calculation

**Certification**
- Material supplier applies for Carbon Label to ZCBL
- ZCBL assesses the application
- ZCBL issues Carbon Footprint Certificate to Material Supplier for the qualified product

As an initial step, accreditation of the Scheme to be developed according to ISO14064-1:2006.

ITC/ HKAS to provide list of accredited GHG verification bodies.
Implementation Framework - Carbon Auditing

- Engage a certified carbon auditor (CCA), either internally or externally, to carry out the carbon auditing and reporting.

- CCA to conduct audit based on the Assessment Guide and the CFP quantification tool (accessible through ZCB’s website in Nov 2013).
The CFP study report and relevant documentation should then be verified and validated by a GHG verification / validation body (VVB) accredited by HKAS, in accordance with ISO 14064-1:2006.

Verification reports issued by non-accredited VVBs with at least 2-year experience in carbon auditing are acceptable within a 12-month grace period subsequent to the launch of the Scheme.

Source: ISO 14064-3:2006
Implementation Framework - Certification

- Submit application form, application fee and relevant documents to ZCBL.

- Based on the product’s carbon footprint, and the payment, ZCBL will issue the carbon label with corresponding class for a validity period of one year, subject to a licence fee.

- Application details will be available at ZCB’s website in Nov 2013.
How to Apply?

1. Engage a Certified Carbon Auditor (CCA)
2. Carbon Auditing
3. Verification
4. Award certificate & issue letter

- Identify missing information
- Address CFP findings e.g. non-conformities and gaps in data
- Make recommendation to ZCB for award
- Eligible for using Carbon Label

- Manufacturer
- Certified Carbon Auditor (CCA)
- GHG verification / validation body (VVB)
- ZCB
CIC’s Carbon Labelling Scheme for Construction Products
- Implementation Plan

Pre-launch groundwork until Sep 13

Launch Prototype Stage of the Scheme
Training courses commence Nov 13

Promotion and publicity of the Scheme until Jun 14

Open for application 1 Dec 2013

Research Phase II Commences Jan 14
10 additional product categories

Future Development