

## Approval & Reception Procedure

DG – Geotechnical Department	
<b>Pile Bearing Resistance Verification Procedure B Pile Dynamic Loading Test with Signal Matching</b>	Document no. <b>ARP/DG/ 14</b>
	Date: <b>2010/07/01</b>
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### 1. Reference standard

ASTM D4945, Regulamento de Fundações, Guia de Dimensionamento de Fundações

### 2. Acceptance of the supplier

#### 2.1 Piles manufacturer approval

For PHC piles, GDF requirements should be followed and the LECM Report N° 2024

For Steel piles, REAE requirements should be followed

### 3. Reception procedure

#### 3.1 Reception procedure of piles delivery on site

According to LECM Report N° 2024 requirement for PHC piles

According to REAE requirement for Steel piles

#### 3.2 Reception procedure of driving pile

#### 3.3 Sampling amount

At least 3% of driving piles shall be selected randomly in normal condition

#### 3.4 Information to be submitted

Pile characteristics (type, class, diameter and verticality)

Pile installation records (location, contractor, length and embedded length)

Pile driving devices characteristics (technical data for pile hammer)

Assumed load of pile

Pile driving records

Site investigation results, if available

### 4. Acceptance criteria

Simulated static load must be two times the load capacity of the pile.

Total settlement and residual settlement must follow the criterion of the ARP/DG/13.

If one of the testing piles fails to meet the required test load, this pile will be considered as “Not

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enough load-carrying capacity for the given test load” and rejected. Further verification can be performed by “Pile Static Compression Loading Test” (SLT).

For each rejected pile, two piles must be driven and other two must be tested.