

**APEC/APLMF Seminar
and Training Courses in
Legal Metrology
(CTI-25/2007T)**



**Training Course on Fuel Dispensers for NGV
(Natural Gas Vehicle)**

November 13 – 16, 2007 Shah Alam Malaysia



The legal metrology system on CNG
(Compressed Natural Gas) fuel dispensers
used for NGV(Natural Gas Vehicle) in Thailand.

1. Self introduction

1.1) My name is Peerayuth Chamrak.

My position is Senior Weights and Measures Officers.
I work in Northern Weights and Measures Center
(Chiang Mai), Department of Internal Trade,
Ministry of Commerce.

1.2) I will be required to train my colleagues in NWMC .

1.3) I have some experiences verifying LPG dispensers.

1.4) I have experienced in the accuracy testing of weighing elements for 5 years. Capacity 20 500 kgs class M3.

2. Use of CNG and/or NGV in Thailand.

2.1) There are approximately 70,000 vehicles are powered by CNG.(Appox. 0.3 % to all vehicles)

(Information updated on 30 June 2007 by Department of Land Transportation, Ministry of Transportation) www.dlt.go.th

2.2) Taxi is the typical user of CNG /NGV in Thailand.
CNG /NGV sold to the public only by
PTT Public Company Limited.

2.3) There are approximately 150 CNG stations for
NGV in Thailand.(Appox. 0.83 % to all stations)

3. Legal metrological control on CNG dispensers in Thailand.

3.1 The unit used in sale of CNG fuel is
kilogram(kg).

3.2 No, Type approvals and verifications are not
required for CNG dispensers in Thailand. .

3.3 The regulation is now being drafted by Central Bureau of Weights and Measures (CBWM). Department of Internal Trade, Ministry of Commerce.

The aim of regulation is essential to initial verification, subsequent verification and inspection of CNG fuel dispensers used for trade.

3.4 The CNG fuel dispensers shall be reverified every 2 years.

3.5 Verification shall be performed on CNG dispensers at the place of service by CBWM and 4 Regional Verification Centers.

3.6 The method to be used in the verifications have not been determined yet, however, we are learning and looking for the suitable method for our country.

For learning and practicing, we have cooperated with APLMF.

Thank you