

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER G-07-018**

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code, Division 26, Part 5, Chapter 1 and 2; and pursuant to the authority vested in the undersigned by Health and Safety Code section 39515 and 39616 and Executive Order G-02-003;

Relating to Verification under Sections 2780 through 2789 of Title 13 of the California Code of Regulations

Nett Technologies Inc.  
Nett<sup>®</sup> BlueCAT 200<sup>™</sup>

The Air Resources Board (ARB) has reviewed Nett Technologies Inc. request for verification of the Nett<sup>®</sup> BlueCAT 200<sup>™</sup>. Based on an evaluation of the data provided and pursuant to the terms and conditions specified below, the Executive Officer of the ARB hereby finds that the Nett<sup>®</sup> BlueCAT 200<sup>™</sup> reduces emissions to 1.5 g/bhp-hr (2.0 g/kW-hr) of NO<sub>x</sub> + HC consistent with a Level 3a classification (Title 13 California Code of Regulations (CCR) Sections 2782 and Section 2783). Accordingly, the Executive Officer determines that the system merits verification and, subject to the terms and conditions specified below, classifies the Nett<sup>®</sup> BlueCAT 200<sup>™</sup> as a Level 3a system 1.5 g/bhp-hr NO<sub>x</sub> + HC (2.0 g/kW-hr) for unregulated off-road LSI engines, model years 1990 to 2001 and non-complying phase-in off-road LSI engines model years 2001 through 2003.

IT IS ORDERED AND RESOLVED, The aforementioned verification is valid provided the engines meet the following criteria:

- The engine is an off-road engine 25 horsepower or greater (greater than 19 kilowatts)
- The engine is from 1.4 – 2.5 liters and uses propane fuel
- The engine is four stroke and naturally aspirated
- The engine is a three or four cylinder engine with in-line cylinder configuration
- The engine must not have a pre-existing closed loop 3-way catalyst system
- The engine must have an open loop Impco, Nolff, Aisan or Nikki fuel system
- The engine must be properly tuned and maintained and not consuming lubricating oil at a rate greater than that specified by the engine manufacturer.
- The engine has a transient duty operation
- The Nett<sup>®</sup> BlueCAT 200<sup>™</sup> emission control system must not be used with any engine modified from the originally manufactured system
- The Nett<sup>®</sup> BlueCAT 200<sup>™</sup> emission control system must be installed consistent with specifications listed in the installation/owner's manual shown in the verification application

IT IS ALSO ORDERED AND RESOLVED; the Nett<sup>®</sup> BlueCAT 200<sup>™</sup> manufactured by Nett Technologies, Inc. of 2-6707 Goreway Drive, Mississauga, Ontario L4V 1P7, Canada is an integrated catalytic converter muffler, which is installed in place of the original vehicle muffler and is normally purchased as direct fit designs.

The Nett<sup>®</sup> BlueCAT 200<sup>™</sup> consists of a catalytic converter muffler which is installed in place of the original vehicle muffler and is normally purchased as a direct fit design, and an electronic control unit & oxygen sensor. The major parts and catalyst sizing chart for the Nett<sup>®</sup> BlueCAT 200<sup>™</sup> system are included in Attachment 1.

This Executive Order is valid provided that Nett<sup>®</sup> BlueCAT 200<sup>™</sup> installation instructions do not recommend tuning the engines to specifications different from the engine manufacturers' recommendation.

No changes to the design or operating conditions are permitted to the device. The ARB must be notified in writing of any changes to any part of the Nett<sup>®</sup> BlueCAT 200<sup>™</sup>. Any changes to the device must be evaluated and approved by the ARB. Failure to do so shall invalidate this Executive Order.

Marketing of the Nett<sup>®</sup> BlueCAT 200<sup>™</sup> using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

This Executive Order shall not apply to any Nett<sup>®</sup> BlueCAT 200<sup>™</sup> advertised, offered for sale, sold with, or installed on off-road equipment prior to or concurrent with transfer to an ultimate purchaser.

As specified in the Verification Procedure (Title 13 CCR Section 2786 (c)), the ARB assigns an Emission Control Group (ECG) name and requires it to be included on a label to be permanently affixed to both the emission control system and the engine. The designated ECG name is **CA/2006/NET/LL3a/NH1.5/OFF/SYS01**.

Additionally, as stated in the Verification Procedure, Nett Technologies is responsible for honoring a warranty (Section 2787) and conducting in-use compliance testing (Section 2789).

In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and verification provided herein to assure that the verified add-on or modified part continues to meet the standards and procedures of California Code of Regulations, Title 13, Section 2222, et seq and California Code of Regulations, Title 13, Sections 2780 through 2789.

Systems verified under this Executive Order shall conform to all applicable California emissions regulations. Violation of any of the above conditions shall be grounds for revocation of this Executive Order. This Executive Order supersedes the interim verification letter issued on May 26, 2006.

Executed at El Monte, California, this 25th day of June 2007.

s/s

Robert H. Cross, Chief  
Mobile Source Control Division

Attachment 1: Nett® BlueCAT 200™ Parts list  
Attachment 2: Engine and Catalyst Sizing Table