Jacobsen Declaration
Exhibit AL
KAM has two different programming philosophies for programming decoders, a simple programmer (Engine Commander® software) and a fully function do everything programmer (Decoder Commander).

Engine Commander implements a basic programming capability for programming decoders. Engine Commander allows you to read and write CV’s, program decoder address and speed curve. There are no templates to determine what decoder model you are running, nor support for advance DCC programming or file operations. Engine commander programming is a simple programmer, allowing you to read and write CV’s to your decoder.

Decoder Commander is a serious DCC programmer that allows you to do everything that Engine Commander does plus configure advance decoder functions, clone decoders, customize speed curves, configure advance function mapping and create customize decoder templates. Decoder Commander allows you full access to the manufacture specific decoder information so you may customize the decoder as you see fit.

Decoder Commander is an application that runs on your desktop or laptop PC. The desktop or laptop PC is connected to a layout using a command station interface. The interface is usually a serial interface or USB device.

Decoder Commander can read third party decoder templates using our Smart Decoder® editor. The smart decoder editor allows you to read third party templates, create your own decoder template and verify existing Decoder Commander templates.

To use this feature, download KAM’s Smart Decoder Template utility form our download area and convert the 3rd party templates to a Decoder Commander format. This utility is not included in the Train Tools software release. The smart decoder utility verifies the template information and adds additional information that is needed to be used by Decoder Commander.

Note: Before you convert any third party template, you will need to verify that the 3rd party template license agreement allows you to run the smart decoder conversion utility on the 3rd party template. KAM software supports Microsoft current operating systems, Win CE (PC2002-03, Mobile 5.x), Win 200x, Windows XP and .NET servers.

Programming Decoders is a critical job, and has been done in the past with software that was not well designed, or handhelds that have a very poor user interface. KAM has looked at programming decoders for a number of years,
and have placed the most common functionality in Engine Commander and Loco CE. Decoder Commander has the advance decoder programming interface for novice users, but advance enough for those users that require that capability.

Decoder Commander is best programming software on the market today. This software programming tool is designed for model railroaders so you can focus on your railroad rather than your control software.

Decoder Commander Suite includes:

**Engine Commander**

Engine Commander® software control the command station or server fastclock, locomotives, programming (operations and service mode), switches and sensors.

**The software packaged includes two configurations**, a local version for running on your desktop with Train Server® command station interface, and a remote version for running on other windows platforms that are networked (Ethernet or wireless) using TCPIP sockets Train Server.

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**Train Server Software**

Train Server® interface manages the command station connected to the computer. Train Server provides the interface necessary for all KAM’s and third party applications to run.

Train Server includes the proposed NMRA API and the new Distributed Train Control® (XML) interface that is used by Loco Ce ®, Classic Panel®, and Engine Commander® Remote software programs.

This product was added to our catalog on Saturday 21 October, 2006.