THE LEARNING CURVE (TLC) SUITE

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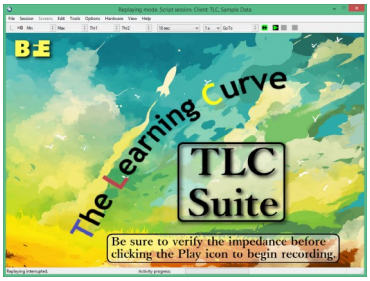

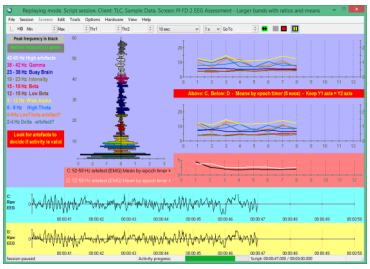

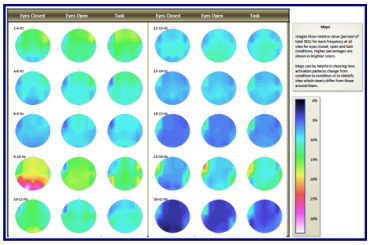

Software Suite Description

The newly re-vamped Learning Curve (TLC) Suite is a brain assessment method that allows a clinician to amalgamate data from up to 20 different EEG sites of the head, into the specialized TLC report. This multi-facetted TLC report, developed by Peter Van Deusen at Brain Trainer, provides clinicians with three main functions:

- a multi-view report that describes the patterns in the EEG, including the relative speed of the EEG waves, key bandwidth amplitude ratios, brain maps (similar to those seen in QEEG maps), breakdown of amplitudes across the head, differentials between analogous sites of the left/right hemisphere;
- automatic analysis of the EEG brain data in the form of training recommendations for a complete whole-brain training plan;
- an executive summary narrative report detailing findings from the EEG data in an easy-to-understand manner for both the clinician and patient.

Included with the TLC's sample client data, software manual and other help files is a subjective report of the client's history and symptoms. This client history and symptoms report integrates into the TLC report and alters the training recommendations for the whole-brain training plan. This means the software takes the specific client's circumstances into account and alters its recommendation based on what would be personally best for them.

A major advantage of the TLC suite and method is that it is an EEG pattern-based assessment tool rather than population-based tool. In other words, it is descriptive rather than normative: it focuses the trainer's attention on patterns in the EEG that have been identified in QEEG research to be correlated with various symptom constellations and clinical syndromes, guiding the trainer toward interventions likely to have rapid positive effects. It does not base its analysis and recommendations on imperfect population databases.

Multiple Language Reporting

Although the assessment software is in English, the full TLC report can be viewed in any of four different languages: **English**, **Portuguese**, **Spanish** or **Italian**.

Reasonable Price with No Limits

The use of the TLC Suite assessment and report allows for the output of data comparable to a full QEEG evaluation, without the cost of purchasing excessive hardware and software to support such a method. All an individual needs is the standard equipment made by Thought Technology (shown on page 2 of this document), along with 2 or 4 EEG-Z sensors/channels of EEG for collecting brainwave data.

Unlike other assessment methods, the cost for this automated EEG analysis tool is a one-time fee with no limits on the numbers of evaluations that can be run through the system. There are no yearly fees for use and no future upgrade costs.

Education & Training Opportunities

With the re-launch of the updated TLC Suite, the BFE is still arranging the available online education that can facilitated the use of the TLC assessment and report. We will announce as soon as session formats are decided.

For more Information or Questions:

shop@bfe.org

To purchase the suite and/or education & training, go to the BFE Shop:

www.bfe.org/buy

THE LEARNING CURVE (TLC) SUITE
EQUIPMENT/SOFTWARE REQUIREMENTS

BioGraph Infiniti Software

BioGraph Infiniti Software is the core of all Thought Technology biofeedback and psychophysiology products. It provides a multimedia rich graphical experience, while capturing and analyzing raw data. It includes all the features and functions required to run the BFE's specialized TLC suite and offers the ability to customize your own screens. The suite functions with **BioGraph Infiniti version 6.0.4** or higher, and is designed to provide full compatibility with the latest Windows 8.1/10 operating system.

Choose the Encoder to Meet Your Needs

You only need one of the below encoders and its associated sensors to run the software:

- **ProComp Infiniti encoder** is the eight-channel, multi-modality encoder that has all the power and flexibility you need for real-time, computerized biofeedback and data acquisition in any clinical setting. We only ever use two or four sensors with the TLC suite.

- **ProComp2 encoder** is a compact, 2 channel version of the ProComp Infiniti encoder, which can be easily worn on a head band or a shirt collar. It can record date from only two sensors with the TLC suite.

Select Sensor Measurements for Collecting Data

This list consists of the all sensors necessary for running the suite. A benefit of the TLC suite is that the same amount of data can be generated with 2 or 4 EEG sensors. The only difference is that with more sensors the assessment is completed in less time.

If using the ProComp Infiniti encoder:

- **(2 or 4) EEG-Z sensors** are pre-amplified electroencephalograph sensor with built in impedance checking, for measuring brainwaves.
- **EEG monopolar/bipolar kit with DIN cable** is also necessary to use this sensor. One is required for each EEG-Z sensor in use
- **Connectivity kit(s)** for a monopolar, referential setup, appropriate for connecting the number of EEG sensors used. If using 2 EEG-Z sensors, a 2-channel connectivity kit is suggested (although not required). If using 4 EEG-Z sensors, a 4-channel connectivity kit is required.

If using the ProComp 2 encoder:

- **(1) EEG-Z sensors** is pre-amplified electroencephalograph sensor with built in impedance checking, for measuring brainwaves. A second EEG-Z sensor is not required, since the ProComp2 encoder already has an EEG sensor built-in.
- **(2) EEG monopolar/bipolar kit with DIN cable** is also necessary to use this sensor.
- **2-Channel electrode connectivity kit** for a monopolar, referential setup. This is suggested, although not required.

Additional Computer Setup Information

The software suite is designed for a single-monitor setup for assessing & training clients. Computers require Microsoft Excel installed in order to used the TLC report.