

Product Overview:

Optimized Testing is a specialized product option within nCode GlyphWorks that provides the ability for engineers to answer:

- What is the optimum proving ground schedule?
- What is the best mix of surfaces, weight conditions, speeds, and manoeuvres?
- What is the ratio of proving ground miles to road miles?
- How does proving ground A correlate to proving ground B?

The challenge is to determine the optimum, most efficient mix of proving ground surfaces required to match an overall target. Optimized Testing provides a proven approach to find the best mix across all channel locations.



nCode GlyphWorks is a modular system, enabling users to add tools from an ever growing list of available glyphs. IMSL Statistics is a pre-requisite for this option. Optimized Testing is also provided as part of nCode CDS™ unit licensing.

Visit www.hbm.com/ncode for a complete list of product options.

Key Benefits:

- Significantly reduce proving ground track usage
- Optimize testing schedules and reduce testing time
- Understand how real world usage compares to track data
- Rapidly compare different proving grounds or duty cycles

Key Features:

- Optimize the number of repeats of each event to match a target result across many data channels simultaneously
- Flexible inputs such as rainflow cycle count histograms or relative damage values cater for wide range of applications
- Optimization methods for best fit least-squares regression and constrained minimization routines using robust algorithms from IMSL® Numerical Library
- Explore what-if tradeoffs with the application of different constraints or removal of complete events

nCode GlyphWorks®

Achieve your testing targets
with optimum efficiency