BOAST'S GUIDE TO

# TECHNOLOGY READINESS LEVELS

# Scientific Research Begins

Applied R&D starts as properties of a potential technology are observed in the physical world.

BASIC PRINCIPLES OF CONCEPT ARE OBSERVED AND REPORTED

ANALYTICAL AND

**EXPERIMENTAL** 

**CRITICAL FUNCTION** 

AND/OR POC

TECHNOLOGY CONCEPT AND/OR APPLICATION FORMULATED

# 2

#### **Invention Begins**

Once basic principles are observed, practical applications can be invented. Activities are limited to analytic studies.

#### Active R&D Initiated

This includes analytical studies and/or laboratory studies. Activities might include components that are not yet integrated or representative.

#### COMPONENT AND/OR VALIDATION IN A LABORATORY ENVIRONMENT

### Will it work?

Components are integrated to establish that they will work together. Activities include integration of "ad hoc" hardware in the laboratory.

#### Will it work? Part 2

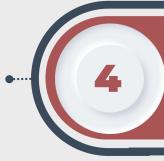
Components are integrated for testing in a simulated environment. Activities include laboratory integration of components.

SYSTEM MODEL OR PROTOTYPE DEMONSTRATION IN A SIMULATED ENVIRONMENT

#### COMPONENT AND/OR VALIDATION IN A SIMULATED ENVIRONMENT

# Prototype in Simulation

Represents a near desired configuration. Activities include testing in a simulated operational environment or laboratory.



#### Prototype in Operation

Prototype at planned operational level and is ready for demonstration in an operational environment (ie. field testing).

#### PROTOTYPE READY FOR DEMONSTRATION IN AN APPROPRIATE OPERATIONAL ENVIRONMENT

#### ACTUAL TECHNOLOGY COMPLETED AND QUALIFIED THROUGH TESTS AND DEMONSTRATIONS

#### **Development Testing**

Technology has been proven to work in its final form and under expected conditions.

#### **Operational Success**

Actual application of the technology in its final form and under real-life conditions, such as those encountered in operational tests and evaluations.



TECHNOLOGY PROVEN THROUGH SUCCESSFUL DEPLOYMENT IN AN OPERATIONAL SETTING

Boast brings a complete solution to maximize your SR&ED tax incentive claims and eliminate the difficulty and mystery of traditional offerings.

The Boast platform gathers data from your technical and financial systems to identify and categorize eligible projects, time, and expenses to get you more money for less time and risk.

#### GET STARTED