

TECHNOLOGY READINESS LEVEL (TRL)

The Technology Readiness Level is a scale or rating used to assess the level of maturity of an innovation. The definition of the TRLs provides the conditions to be met at each level, enabling accurate TRL assessment.

For each technological component (TC) answer the following questions:

Technology Readiness Level (TRL) of the technological component

Does the fundamental research exist?	NO »»	1 Base principles observed and reported
Are the concept or the applications formulated?	NO »»	2 Technology concept and/or application formulated
Do analytical studies support the proof-of-concept of your technology?	NO »»	3 Analytical and experimental critical function and/or characteristic proof-of-concept
Did you attest on a small scale, in lab environment, the expected performance of the integration of the TC in the general operating context?	NO »»	4 Component and/or breadboard functional verification in laboratory environment
Did you validate in a relevant environment the expected functional performance of the integration of the TC in the general operating context?	NO »»	5 Component and/or breadboard critical function verification in a relevant environment
Did you attest the expected functions of the TC in a relevant environment simulating the operating environment?	NO »»	6 Model demonstrating the critical functions of the element in a relevant environment
Did you demonstrated the prototype in a operational environment?	NO »»	7 Model demonstrating the element performance for the operational environment
Did you prove that the technology works in its final form and in the environnement intended?	NO »»	8 Actual system completed and accepted <i>for the application</i>
	YES »»	9 Actual system in action through successful mission operations

Sources:

- Ministry of Economy, Science and Innovation (MESI)
- Ministry of Innovation, Science and Economic Development Canada (ISED)
- ISO 16290-2013



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