Definitions from the Act on the Principles of	TECHNOLOGY READINESS LEVELS
Financing Science	
Fundamental research - original experimental	Level I - the basic principles of a phenomenon
or theoretical research work undertaken	have been observed and described - the lowest
primarily to acquire new knowledge of the	level of technology readiness, meaning that
fundamentals of phenomena and observable	research has been initiated with a view to using
facts without a view to direct commercial use.	the results in future applications. This level
	includes, but is not limited to, research into the
	basic properties of the technology
Industrial research - research aimed at the	Level II - the concept of the technology or its
acquisition of new knowledge and skills for	future use is identified. This means starting the
developing new products, processes and	process of exploring the potential use of the
services or for bringing about significant	technology. Since the basic principles describing
improvements in existing products, processes	the new technology have been observed, the
and services; this research involves the creation	practical application of the technology can be
of components of complex systems, the	postulated, which is based on predictions. There
construction of prototypes in a laboratory	is not yet any evidence or detailed analysis to
environment or in an environment simulating existing systems, particularly for assessing the	support the assumptions.
suitability of the types of technology, and the	Level III - the critical functions or concepts of
construction of the pilot lines necessary for this	the technology have been analytically and
research, including for generics.	experimentally confirmed. This means that
	analytical and laboratory studies have been
	conducted to confirm the predictions of the
	scientific studies of selected components of the
	technology. This includes components that are
	not yet integrated into a whole or are not
	representative of the technology as a whole.
	Level IV - technology components or core
	subsystems have been verified under laboratory
	conditions. This process means that the core
	components of the technology have been
	integrated. This includes 'ad hoc' integrated
	models in the laboratory. A generic
	representation of the target system under
	laboratory conditions has been achieved.
	Level V - technology components or core
	subsystems have been verified in a near real-
	world environment. The core components of
	the technology are integrated with real-world
	enablers. The technology can be tested under
	simulated operational conditions.
	Level VI - a prototype or model of a system or
	subsystem of the technology has been
	demonstrated in near real-world conditions.
	This means that a representative model or
	prototype of a system, which is significantly
	more advanced than the one tested at Level V,

	has been tested under near real-world conditions. Testing at this level includes testing of a prototype under laboratory conditions replicating real-world conditions with high fidelity or under simulated operational conditions.
shaping and using of currently available scientific, technological, business and other knowledge and skills for the planning of production and the creation and design of new, altered or improved products, processes and	demonstrated in an operational setting. The prototype is almost at operational system level. This level represents a significant advance over Level VI and requires demonstration that the technology under development is operationally
periodic changes made to products, production lines, manufacturing processes, existing services and other operations in progress, even if such	of prototypes on so-called test platforms.
(a) the development of prototypes and pilot	final form of the technology has been completed. This means that it has been confirmed that the target level of the
projects as well as the demonstration, testing and validation of new or improved products, processes or services in an environment which constitutes a model of the actual operating conditions, the main aim of which is the further technical development of products, processes or services whose final form has not been determined,	technology has been reached and the technology can be applied under the conditions envisaged for it. Practically, this level represents the end of demonstration. Examples include testing and evaluation of systems to confirm that design assumptions have been met, including those relating to logistical security and training.
(b) the development of commercially usable prototypes and pilot projects where the prototype or pilot project represents a final product ready for commercial exploitation and where it is too expensive to produce for demonstration and validation purposes only;	Level IX - testing of the technology in real- world conditions has had the intended effect. This indicates that the technology being demonstrated is already in final form and can be implemented in the target system. Among other things, this includes the use of the developed systems under real-world conditions
development does not include routine or periodic changes made to products, production lines, manufacturing processes, existing services and other operations in progress, even if such changes may be improvements.	