

## **Guidelines for technology commercialisation (First revision)**

## **SIRIM STANDARD**

SIRIM Berhad is a premier total solutions provider in quality and technology innovations that helps industries and businesses to compete better through every step of the business value chain.

SIRIM Berhad is the centre of excellence in standardisation, facilitating industries and businesses in enhancing their production and competitiveness, protecting consumers' health and safety, and giving them the choice of quality products and services.

As a standards development organisation, SIRIM Berhad has extensive expertise in standards research and consultancy which helps industries and businesses to meet local and international requirements and practices, through the development of SIRIM Standards.

SIRIM Standards are developed according to SIRIM standardisation procedures with the participation of interested parties. SIRIM Standards are developed through consensus by committees, which consist of experts in the subject matter. The use of SIRIM Standards is voluntary, and it is open for adoption by regulators, government agencies, associations, industries, professional bodies, etc.

For further information on SIRIM Standards, please contact:

Standards Development and Consultancy Section  
SIRIM STS Sdn Bhd  
(Company No.: 199701032750 (448249 - A))  
1, Persiaran Dato' Menteri  
Section 2, P.O. Box 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
MALAYSIA

Tel: 60 3 5544 6314/6909  
Email: [stdsd@sirim.my](mailto:stdsd@sirim.my)  
<http://www.sirimsts.my>

## Contents

	<b>Page</b>
Foreword.....	ii
0 Introduction .....	1
1 Scope .....	2
2 Normative references .....	2
3 Terms and definitions .....	2
4 Understanding the context of the organisation.....	4
5 Establishing the technology commercialisation ecosystem .....	5
6 Leadership .....	7
7 Planning .....	9
8 Support.....	10
9 Technology commercialisation success factors .....	14
10 Implementing technology commercialisation.....	17
11 Technology readiness levels (TRLs).....	21
12 Summary table on the milestones and work achievement .....	28
13 Performance evaluation.....	30
14 Continual improvement.....	31
Bibliography .....	32

## SIRIM 34:2023

### Foreword

This SIRIM Standard was developed by the Project Committee on Guidelines for Technology Commercialisation established by SIRIM Berhad.

This standard was developed to provide:

- a) understanding of what technology commercialisation is; and
- b) guidance on how to initiate, implement, offer, and adopt technology commercialisation.

Major modifications in this revision are as follows:

- a) inclusion of new Clauses 11 and 12 on the Technology Readiness Level (TRLs) and summary table on the milestones and work achievement; and
- b) re-numbering of clauses as a result of the inclusion of the new clauses.

This standard cancels and replaces SIRIM 34:2020, *Guidelines for technology commercialisation* which has been technically revised.

This standard will be reviewed periodically and, if necessary, revised to reflect current needs and conditions. Users and other interested parties may submit comments on the contents of this standard for consideration in future versions.

Compliance with this standard does not by itself grant immunity from legal obligations.