



CLAUSE COMPARISON CHART

ISO/IEC 17025:2017

CALA has prepared a clause comparison chart to support the laboratory community's transition to the recently published ISO/IEC 17025:2017 standard. CALA is an internationally recognized accreditation body serving both public and private sector testing laboratories in Canada and abroad. We deliver a comprehensive range of services including laboratory accreditation, training and proficiency testing.

The recently published ISO/IEC 17025:2017 focuses on outcomes of a process rather than documented procedures and policies. Laboratories currently accredited under ISO/IEC 17025 must complete their accreditation to the 2017 version by November 29, 2020.

CALA would like to encourage an early start to the transition process, and as such has developed a number of resources including this document to support the transition. For a full list of resources available for the ISO/IEC 17025:2017 transition, visit http://cala.ca/17025_2017.html

Please note that this document is not intended to replace the need for a full gap analysis. Our goal is to provide this as a support tool for your laboratory's transition to ISO/IEC 17025:2017. Other support tools include a suite of CALA training including:

- [ISO/IEC 17025:2017 - What's New or Different?](#)
- [Understanding ISO/IEC 17025:2017](#)

TO FIND OUT MORE ABOUT CALA PRODUCTS AND SERVICES, LINK ON ANY OF THE FOLLOWING:

[CALA Accreditation](#)

CALA accreditation can provide assurance to their customers about their laboratory's quality and competence based on their participation in a rigorous program of inter-lab comparison and on-site assessments based on international standards.

[CALA Proficiency Testing](#)

CALA proficiency testing enables laboratories to monitor their performance and compare their results against their peers.

[CALA Training](#)

CALA training ultimately supports laboratory best practices and continuous improvement in their laboratory environment.



Clause Comparison of ISO/IEC 17025:2017 to ISO/IEC 17025:2005

CLAUSE	ISO/IEC 17025:2017	ISO/IEC 17025:2005	Comments
1	SCOPE		
2	NORMATIVE REFERENCES		
3	TERMS AND DEFINITIONS		
	Added nine (9) laboratory-specific definitions.		
4	GENERAL REQUIREMENTS		
	4.1 Impartiality		
	4.1.1	4.1.4; 4.1.5 (d)(e)(f)	
	4.1.2	4.1.5 (d)	
	4.1.3	4.1.5 (b)	
	4.1.4	NEW	New wording, but may be covered by 4.1.5 (d)
	4.1.5	NEW	New wording, but may be covered by 4.1.5 (d)
	4.2 Confidentiality		
	4.2.1	4.1.5 (c); 4.7.1; 5.4.7.2 (b)	
	4.2.2	NEW	New wording, but may be covered by 4.1.5 (c)
	4.2.3	NEW	New wording, but may be covered by 4.1.5 (c)
	4.2.4	NEW	New wording, but may be covered by 4.1.5 (c)
5	STRUCTURAL REQUIREMENTS		
	5.1	4.1.1	
	5.2	4.1.5 (h)	



5.3	NEW
5.4	4.1.2; 4.1.3
5.5 a)	4.1.5 (e)
5.5 b)	4.1.5 (f)
5.5 c)	4.2.1
5.6 a)	4.1.5 (a); 4.2.2 (e)
5.6 b)	4.1.5 (a)
5.6 c)	4.1.5 (a)
5.6 d)	4.1.5 (i)
5.6 e)	4.1.6; 4.2.3
5.7 a)	4.1.6; 4.2.3, 4.2.4
5.7 b)	4.2.7

6 RESOURCE REQUIREMENTS

6.1 General

No corresponding clause in ISO/IEC 17025:2005; this is just a general introduction to this section.

6.2 Personnel

6.2.1	4.1.5 d; 5.2.1; 5.2.3
6.2.2	5.1.2; 5.2.1; 5.2.4; 5.2.5; 5.5.3
6.2.3	4.1.5 (a); 5.2.1
6.2.4	4.1.6; 4.2.1; 5.2.4
6.2.5 a)	5.2.5; 5.2.1
6.2.5 b)	5.2.2; 5.2.5
6.2.5 c)	5.2.2
6.2.5 d)	4.1.5 g
6.2.5 e)	5.2.5; 5.4.3; 5.5.3
6.2.5 f)	5.2.1



6.2.6	5.2.5
6.2.6 a)	5.2.5; 5.4.3
6.2.6 b)	5.2.5
6.2.6 c)	4.14.1; 5.2.5

6.3 Facilities and environmental conditions

6.3.1	5.3.1; 5.4.7.2
6.3.2	5.3.1 P2; last sentence
6.3.3	5.3.2
6.3.4 a)	5.3.4
6.3.4 b)	5.3.2; 5.3.3
6.3.4 c)	5.3.3
6.3.5	5.3.1; 4.1.3

6.4 Equipment

6.4.1	5.5.1; 5.5.2	
6.4.2	5.5.1	
6.4.3	5.4.1; 5.4.7.2; 5.5.3; 5.5.6	
6.4.4	5.4.7.2 a); 5.5.2	
6.4.5	5.4.7.2 a); 5.5.2; 5.6.3.3	
6.4.6	5.5.2	1st point is 5.5.2; 2nd point is new
6.4.7	5.6.1, 5.5.2	
6.4.8	5.5.8	
6.4.9	5.5.7	
6.4.10	5.5.10; 5.6.3.2, 5.6.3.3	
6.4.11	5.5.11	
6.4.12	5.5.12	
6.4.13	5.5.5	



	6.4.13 a)	5.5.5 a)	
	6.4.13 b)	5.5.5 b)	
	6.4.13 c)	5.5.5 c)	
	6.4.13 d)	5.5.5 d)	
	6.4.13 e)	5.5.5 f)	
	6.4.13 f)	NEW	
	6.4.13 g)	5.5.5 g)	
	6.4.13 h)	5.5.5 h)	
6.5	Metrological traceability	5.6	
	6.5.1	5.6.2.1.1 Para 2 Sentence 1	
	6.5.2	5.6.2.1.1	
	6.5.2 a)	5.6.2.1.1 P2; Note 1	
	6.5.2 b)	5.6.2.1.2	
	6.5.2 c)	5.6.2.1.1 P2; Note 3	
	6.5.3	5.6.2.1.2	
	6.5.3 a)	5.6.2.2.2	
	6.5.3 b)	5.6.2.2.2, 5.6.2.1.2	
6.6	Externally provided products & services	4.5; 4.6	
	6.6.1 a)	4.6.2, 4.6.3	NOTE is new.
	6.6.1 b)	4.5.3	
	6.6.1 c)	4.6.1	
	6.6.2 a)	4.6.1; 4.6.3	
	6.6.2 b)	4.6.3; 4.6.4	
	6.6.2 c)	4.6.2, 4.5.4	
	6.6.2 d)	4.6.4	
	6.6.3 a)	4.6.2, 4.6.3	



6.6.3 b)	4.6.3
6.6.3 c)	4.6.3
6.6.3 d)	NEW

7 PROCESS REQUIREMENTS

7.1 Review of requests, tenders and contracts

7.1.1 a)	4.4.1 (a)
7.1.1 b)	4.4.1 (b)
7.1.1 c)	4.4.3; 4.5.2
7.1.1 d)	4.4.1 (c); 5.4.2
7.1.2	5.4.2
7.1.3	NEW
7.1.4	4.4.1; 5.4.2
7.1.5	4.4.4
7.1.6	4.4.5
7.1.7	4.7.1
7.1.8	4.4.2

7.2 Selection, verification and validation of methods

7.2.1.1	5.4.1
7.2.1.2	5.4.1; 4.3
7.2.1.3	5.4.2
7.2.1.4	5.4.2
7.2.1.5	5.4.2
7.2.1.6	5.4.3; 5.4.5.3 NOTE 2
7.2.1.7	5.4.1
7.2.2.1	5.4.5.2
7.2.2.2	5.4.5.2, NOTE 3



7.2.2.3	5.4.5.3
7.2.2.4 a)	5.4.5.2
7.2.2.4 b)	5.4.5.3, NOTE 1
7.2.2.4 c)	5.4.5.3, NOTE 1
7.2.2.4 d)	5.4.5.2
7.2.2.4 e)	5.4.5.2

7.3 Sampling

7.3.1	5.7.1
7.3.2	Note 2 under 5.7.1
7.3.2 a)	Note 2 under 5.7.1
7.3.2 b)	Note 2 under 5.7.1
7.3.2 c)	Note 2 under 5.7.1
7.3.3	5.7.3
7.3.3 a)	5.7.3
7.3.3 b)	NEW
7.3.3 c)	NEW
7.3.3 d)	5.7.3
7.3.3 e)	NEW
7.3.3 f)	5.7.3
7.3.3 g)	5.7.3
7.3.3 h)	5.7.2

7.4 Handling of test or calibration items

7.4.1	5.8.1; 5.8.4
7.4.2	5.8.2
7.4.3	5.8.3
7.4.4	5.8.4



7.5	Technical Records	
	7.5.1	4.13.2.1, 4.13.2.2
	7.5.2	4.13.2.3
7.6	Evaluation of measurement uncertainty	
	7.6.1	5.4.6.3
	7.6.2	5.4.6.1
	7.6.3	5.4.6.2
7.7	Ensuring the validity of results	
	7.7.1	5.9.1
	7.7.1 a)	5.9.1 (a)
	7.7.1 b)	NEW
	7.7.1 c)	NEW
	7.7.1 d)	5.9.1 (a)
	7.7.1 e)	NEW
	7.7.1 f)	5.9.1 (c)
	7.7.1 g)	5.9.1 (d)
	7.7.1 h)	5.9.1 (e)
	7.7.1 i)	NEW
	7.7.1 j)	NEW
	7.7.1 k)	NEW
	7.7.2 a)	5.9.1 (b)
	7.7.2 b)	5.9.1 (b)
	7.7.3	5.9.2
7.8	Reporting of results	
	7.8.1.1	NEW
	7.8.1.2	5.10.1; 4.13.2.1



7.8.1.3	5.10.1	
7.8.2.1	5.10.2	
7.8.2.1 a)	5.10.2 (a)	
7.8.2.1 b)	5.10.2 (b)	
7.8.2.1 c)	5.10.2 (b)	
7.8.2.1 d)	5.10.2 (c)	
7.8.2.1 e)	5.10.2 (d)	
7.8.2.1 f)	5.10.2 (e)	
7.8.2.1 g)	5.10.2 (f)	
7.8.2.1 h)	5.10.2 (g)	
7.8.2.1 i)	5.10.2 (g)	
7.8.2.1 j)	NEW	
7.8.2.1 k)	5.10.2 (h)	
7.8.2.1 l)	5.10.2 (k)	
7.8.2.1 m)	5.10.2 (i)	
7.8.2.1 n)	NEW	Related to 5.10.3.2 (f)
7.8.2.1 o)	5.10.2 (j)	
7.8.2.1 p)	5.10.6	
7.8.2.2	NEW	
7.8.3	5.10.3	
7.8.3.1 a)	5.10.3.1 (a)	
7.8.3.1 b)	5.10.3.1 (b)	
7.8.3.1 c)	5.10.3.1 (c)	
7.8.3.1 d)	5.10.3.1 (d); 5.10.5	
7.8.3.1 e)	5.10.3.1 (e)	
7.8.3.2	5.10.3.2	



7.8.4	5.10.4	
7.8.4.1 a)	5.10.4.1 (b)	
7.8.4.1 b)	5.10.4.1 (a)	
7.8.4.1 c)	5.10.4.1 (c)	
7.8.4.1 d)	5.10.4.3	
7.8.4.1 e)	5.10.4.2	
7.8.4.1 f)	5.10.5	
7.8.4.2	NEW	
7.8.4.3	5.10.4.4	
7.8.5 a)	5.10.3.2 (a)	
7.8.5 b)	5.10.3.2 (b)	
7.8.5 c)	5.10.3.2 (c)	
7.8.5 d)	5.10.3.2 (d)	
7.8.5 e)	5.10.3.2 (e)	
7.8.5 f)	NEW	
7.8.6.1	NEW	
7.8.6.2 a)	NEW	
7.8.6.2 b)	5.10.4.2	
7.8.6.2 c)	NEW	
7.8.7.1	5.2.5; 5.10.5	
7.8.7.2	5.10.5; 5.10.4.2	
7.8.7.3	5.10.5, Note 3	
7.8.8.1	NEW	New in this section, but is related to 4.13.2.3
7.8.8.2	5.10.9	
7.8.8.3	5.10.9	

7.9 Complaints



	7.9.1	4.8	
	7.9.2	NEW	
	7.9.3 a)	NEW	
	7.9.3 b)	NEW	
	7.9.3 c)	NEW	
	7.9.4	NEW	
	7.9.5	NEW	
	7.9.6	NEW	
	7.9.7	NEW	
7.10 Nonconforming work			
	7.10.1	4.9.1	
	7.10.1 a)	4.9.1 (a)	
	7.10.1 b)	4.9.1 (a)	
	7.10.1 c)	4.9.1 (b)	
	7.10.1 d)	4.9.1 (c)	
	7.10.1 e)	4.9.1 (d)	
	7.10.1 f)	4.9.1 (e)	
	7.10.2	NEW	New in this section, but is related to 4.13.1.2
	7.10.3	4.9.2	
7.11 Control of data and information management			
	7.11.1	NEW	
	7.11.2	5.4.7.2 (a) and the NOTE	
	7.11.3 a)	4.13.1.4; 5.4.7.2 (b)	
	7.11.3 b)	5.4.7.2.b)	
	7.11.3 c)	4.13.1.2, 5.4.7.2 (c)	
	7.11.3 d)	5.4.7.2 (c)	



7.11.3 e)	NEW
7.11.4	NEW
7.11.5	4.13.1.1; 4.3.2
7.11.6	5.4.7.1

8 MANAGEMENT REQUIREMENTS

8.1 Options

8.1.1	4.2.1
8.1.2	NEW
8.1.3	NEW

8.2 Management system documentation (Option A)

8.2.1	4.2.1; 4.2.2; 4.2.3; 4.2.4
8.2.2	4.2.2
8.2.3	4.2.3
8.2.4	4.2.5
8.2.5	4.2.1

8.3 Control of management system documents (Option A)

8.3.1	4.3.1
8.3.2 a)	4.3.2.1; 4.3.3.1
8.3.2 b)	4.3.2.2 (b)
8.3.2 c)	4.3.2.1; 4.3.3.2; 4.3.2.3
8.3.2 d)	4.3.2.2 (a); 4.3.2.1
8.3.2 e)	4.3.2.3
8.3.2 f)	4.3.2.2 (c) and (d)

8.4 Control of records (Option A)

8.4.1	4.13.1.2
8.4.2	4.13.1.1, 4.13.1.2, 4.13.1.3



8.5 Actions to address risks and opportunities (Option A)		
8.5.1		NEW
8.5.1 a)		NEW
8.5.1 b)		NEW
8.5.1 c)		NEW
8.5.1 d)		NEW
8.5.2		NEW
8.5.2 a)		NEW
8.5.2 b)		NEW
8.5.2 b)B1		NEW
8.5.2 b)B2		NEW
8.5.3		NEW
8.6 Improvement (Option A)		
8.6.1		4.10; 4.12
8.6.2		4.7.2
8.7 Corrective actions (Option A)		
8.7.1 a)		4.9.1 (b) and (c)
8.7.1 b)		4.11.2
8.7.1 c)		4.11.3
8.7.1 d)		4.11.4
8.7.1 e)		NEW
8.7.1 f)		4.10; 4.11.3
8.7.2		4.11.3 (2nd para.)
8.7.3 a)		4.13.1.1
8.7.3 b)		4.13.1.1
8.8 Internal audits (Option A)		



8.8.1 a)	4.14.1
8.8.1 b)	4.14.1
8.8.2 a)	4.14.1
8.8.2 b)	4.14.1
8.8.2 c)	4.14.1
8.8.2 d)	4.14.2; 4.14.4
8.8.2 e)	4.14.3

8.9 Management reviews (Option A)

8.9.1	4.15.1
8.9.2 a)	NEW
8.9.2 b)	NEW
8.9.2 c)	4.15.1
8.9.2 d)	NEW
8.9.2 e)	4.15.1
8.9.2 f)	4.15.1
8.9.2 g)	4.15.1
8.9.2 h)	4.15.1
8.9.2 i)	4.15.1
8.9.2 j)	4.15.1
8.9.2 k)	NEW
8.9.2 l)	4.15.1
8.9.2 m)	NEW
8.9.2 n)	4.15.1
8.9.2 o)	4.15.1
8.9.3	4.15.2
8.9.3 a)	NEW



8.9.3 b)

NEW

8.9.3 c)

NEW

8.9.3 d)

NEW