

Database of arboricultural safety standards used by ISA components*

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Table 1. List of 34 countries (followed by abbreviations in parentheses) with at least 1 International Society of Arboriculture (ISA) component. We contacted representatives of ISA components to obtain information on existing standard(s) in their respective countries, noted whether a response was received from them, and the type of standard(s) in use. Notes refer to the specific standard(s) in use in each country.

Country	Response	Type of Standard
Australia (AU) ¹	Yes	Industry, Government
Austria (AT) ^{1,2}	Yes	Industry, Social Insurance
Belgium (BE) ²	No	Industry
Brazil ³	Yes	
Canada (CA) ¹	Yes	Industry, Government
Colombia (CO) ⁴	Yes	Industry
Croatia (HR) ²	No	Industry
Czech Republic (CZ) ²	Yes	Industry
Denmark (DK) ²	Yes	Industry
Estonia (EE) ⁵	Yes	
Finland (FI) ²	Yes	Industry
France (FR) ¹	Yes	Government
Germany (DE) ^{1,2}	Yes	Industry, Social Insurance
Hong Kong (HK) ^{1,2,4}	Yes	Industry
Iceland	No	
Ireland (IE) ¹	Yes	Industry
Italy (IT) ^{1,2}	Yes	Industry, Government
Japan (JP) ⁴	Yes	Industry
Latvia (LV) ²	Yes	Industry
Lithuania (LT) ²	No	Industry
Malaysia ³	Yes	
Mexico (MX) ⁴	Yes	Industry
Netherlands (NL) ²	Yes	Industry
New Zealand (NZ) ¹	Yes	Industry, Government
Norway (NO) ²	Yes	Industry
Poland (PL) ^{1,2}	Yes	Industry
Slovakia (SK) ²	Yes	Industry
Singapore (SG) ¹	Yes	Industry
Spain (ES) ^{1,2,4}	Yes	Industry, Government
Sweden (SE) ^{1,2}	Yes	Industry
Switzerland (CH) ^{1,2}	Yes	Industry, Government, Social Insurance
Taiwan (TW) ⁵	Yes	
United Kingdom (UK) ¹	Yes	Industry, Government
United States (US) ⁴	Yes	Industry

¹Local standard

²European Arboricultural Council (EAC) standards; if no response was received, we assumed EAC members used EAC standards.

³Standard in draft at time of analysis

⁴ANSI Z133

⁵No standard

Table 2: Database of all the relevant standards and their associated descriptive information from various countries. NIL indicates no information was available. Age of the standard was inferred from Publication year (Oldest), or if the latter was not available, Publication year (Latest) to 2020.

No.	Geographic name	Geographic region that the standard covers	Title	Standard type	Organization	Publication year (Latest)	Publication year (Oldest)	Revisions	Language	Age
1	Australia	Country	Guide to managing risk in tree trimming and removal work	Government	WorkSafe Australia	2016	NIL	NIL	English	4
2	Australia	Country	AS 2726.2 - 2004. Chainsaws - Safety requirements. Part 2: Chainsaws for tree service	Government	Australian Standard	2004	1995	2	English	25
3	Austria	Country	Work on trees M520	Social insurance	Allgemeine Unfallversicherungsanstalt (Austrian Workers' Compensation Board)	2018	NIL	NIL	German	2
4	Austria	Country	Tree Work	Social insurance	Social insurance for farmers, foresters and landscapers (SVLFG)	2017	NIL	NIL	German	2
5	Europe ¹	Regional	A Guide to Safe Work Practice (Third Edition)	Industry	European Arboriculture Council (EAC)	2008	NIL	3	English	12
6	Europe ¹	Regional	European Tree Worker	Industry	European Arboriculture Council (EAC)	2016	2000	8	English	20
7	France	Country	Implementation of the Regulations on the prevention of falls-related risks to work done in trees by means of ropes	Government	Ministry of Agriculture and Fisheries	2007	NIL	NIL	French	13
8	Germany	Country	Accident prevention Regulations	Social insurance	Social insurance for farmers, foresters and landscapers (SVLFG)	2017	2000	NIL	German	20

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9	Italy	Country	Instruction to work on trees safely using ropes	Government	National Institute for Insurance Against Work (INAIL)	2016	NIL	NIL	Italian	4
10	New South Wales	State	Amenity Tree Industry Code of Practice	Government	WorkCover New South Wales	2008	2008	NIL	English	12
11	New Zealand	Country	ACoP Part 1: Approved Code of Practice for Safety and Health in Arboriculture	Government	Ministry of Business, Innovation and Employment	2012	NIL	NIL	English	8
12	New Zealand	Country	Best Practice Guideline for Safety Requirements in Arboriculture Operations	Industry	The New Zealand Arboriculture Association	2017	1994	3	English	26
13	Ontario	Province	Arborist Industry Safe Work Practice	Industry	Arborist Safe Work Committee	2011	NIL	3	English	9
14	Quebec	Province	Practice of work safe pruning	Government	Committee on Standards, Equity, Health and Safety (CNESST)	2017	NIL	0	French	3
15	Singapore	Country	Best Practice Guidelines (2017) For Safety and Health in Tree Work	Industry	Singapore Arboriculture Society	2017	2017	0	English	3
16	Singapore	Country	Landscape Horticulture Management	Government	Workplace Safety and Health Council	2018	2008	1	English	12
17	Spain	Country	Justification of the climbing technique in works on trees	Industry	Asociación Española de Arboricultura	2015	2015	NIL	Spanish	5
18	Spain	Country	Safety in tree pruning work (I): Safe working practices for tree-climbing operations	Government	National Institute of Security, Health and well-being at work (INSSBT)	2018	NIL	NIL	Spanish	2
19	Spain	Country	Safety in tree pruning work (II): Safe working practices for tree-climbing operations	Government	National Institute of Security, Health and well-being at work (INSSBT)	2018	NIL	NIL	Spanish	2

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			(II): Basic and Rescue Techniques							
20	United Kingdom	Country	AFAG (Arboriculture and Forestry Advisory Group) 401 - Tree Climbing Operations	Government	Health and Safety Executive (HSE)	2013	NIL	2	English	7
21	United Kingdom	Country	AFAG 308 - Top-handled Chainsaws	Government	Health and Safety Executive (HSE)	2013	NIL	2	English	7
22	United Kingdom	Country	INDG317 - Chainsaws at work	Government	Health and Safety Executive (HSE)	2012	NIL	2	English	8
23	United Kingdom	Country	Industry Code of Practice for Arboriculture	Industry	Arboricultural Association	2015	2015	1	English	5
24	United Kingdom	Country	BS 3998: Recommendations for Tree Work	Industry	BSI Standards Publication	2010	1966	3	English	54
25	United Kingdom	Country	A guide to good climbing practice	Industry	Arboricultural Association	2016	2005	4	English	15
26	United States	Country	Z133 American National Standard for Arboricultural Operations - Safety Requirements	Industry	International Society of Arboriculture (ISA)	2017	1972	8	English	48
27	Victoria	State	Working safely with trees: recommended practices for the amenity tree industry	Government	WorkSafe Victoria	2001	NIL	NIL	English	19

¹See Table 1 for countries which use EAC guidelines.

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Table 3: Continuation of Table 2. List of obtained standards the source of their documents.

Geographic name	Title	Document type	Document format	Source
Australia	Guide to managing risk in tree trimming and removal work	Guide	Electronic copy	https://www.safeworkaustralia.gov.au/doc/guide-managing-risks-tree-trimming-removal
Australia	AS 2726.2 - 2004. Chainsaws - Safety requirements. Part 2: Chainsaws for tree service	Standard	Book	https://infostore.saiglobal.com/en-us/Standards/AS-2726-2-2004-123876_SAIG_AS_AS_260395/
Austria	Work on trees M520	Guide	Electronic copy	https://www.auva.at/cdscontent/load?contentid=10008.673681&version=1549892356
Austria	Tree Work	Guide	Electronic copy	https://cdn.svlfg.de/fiona8-blobs/public/svlfgonpremiseproduction/2f0167250d81e6c2/77131cfa3122/b08-broschuere-baumarbeiten.pdf
Europe ¹	A Guide to Safe Work Practice (Third Edition)	Guide	Electronic copy	https://www.eac-arboriculture.com/eac_guides.aspx
Europe ¹	European Tree Worker Handbook	Guide	Book	https://shop.freeworker.com/european-tree-worker.html
France	Implementation of the Regulations on the prevention of falls-related risks to work done in trees by means of ropes	Standard	Electronic copy	https://agriculture.gouv.fr/sites/minagri/files/documents/pdf/circulaire_travaux_dans_les_arbres_version_definitive.pdf
Germany	Accident prevention Regulations	Standard	Electronic copy	https://cdn.svlfg.de/fiona8-blobs/public/svlfgonpremiseproduction/b22ac975c1f09ade/88988ba1077a/vsg4_2-gartenbau-obstbau-parkanlagen.pdf
Italy	Instruction to work on trees safely using ropes	Standard	Electronic copy	https://www.inail.it/cs/internet/docs/istruzioni_lavoro_albero_funi.pdf?section=attivita
New South Wales	Amenity Tree Industry Code of Practice	Guide	Electronic copy	https://www.safework.nsw.gov.au/_data/assets/pdf_file/0009/52866/Amenity-Tree-Industry-Code-of-Practice.pdf

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New Zealand	ACoP Part 1: Approved Code of Practice for Safety and Health in Arboriculture	Standard	Electronic copy	https://worksafe.govt.nz/topic-and-industry/forestry/health-and-safety-in-the-arboriculture-industry/safety-and-health-in-arboriculture/
New Zealand	Best Practice Guideline for Safety Requirements in Arboriculture Operations	Standard	Electronic copy	https://472b49bf-256c-49bf-a16a-b76a5e58c2ad.filesusr.com/ugd/fffdca_1511befd9618431eafbb3ab3c5556440.pdf
Ontario	Arborist Industry Safe Work Practice	Guide	Book	https://www.wsps.ca/Shop/Information-Products/Products/Arborist-Industry-Safe-Work-Practices-3rd-edition.aspx
Quebec	Practice of work safe pruning	Guide	Electronic copy	https://www.cnesst.gouv.qc.ca/Publications/300/Documents/DC300-434web.pdf
Singapore	Best Practice Guidelines (2017) For Safety and Health in Tree Work	Guide	Electronic copy	Singapore Arboriculture Society (SAS)
Singapore	Workplace Safety and Health Guidelines: Landscape Horticulture Management	Guide	Electronic copy	https://www.wshc.sg/files/wshc/upload/infostop/attachments/2018/IS201811020000000431/WSH%20Guidelines%20on%20Landscape%20and%20Horticulture%20Management.pdf
Spain	Justification of the climbing technique in works on trees	Guide	Electronic copy	https://ae-arboricultura.org/Downloads/2015/Justificacion%20Trabajos%20Tropa.pdf
Spain	Safety in tree pruning work (I): Safe working practices for tree-climbing operations	Guide	Electronic copy	https://www.insst.es/documents/94886/566858/ntp_1119.pdf/86cc23a3-a763-4f9c-ac26-eb7a03ebcfe7
Spain	Safety in tree pruning work (II): Safe working practices for tree-climbing operations (II): Basic and Rescue Techniques	Guide	Electronic copy	https://www.insst.es/documents/94886/566858/ntp-1120.pdf/55384cdf-d8ea-45b5-86df-c0b827bee2f1
United Kingdom	AFAG (Arboriculture and Forestry Advisory Group) 401 - Tree Climbing Operations	Guide	Electronic copy	http://www.hse.gov.uk/pubns/afag401.htm
United Kingdom	AFAG 308 - Top-handled Chainsaws	Guide	Electronic copy	http://www.hse.gov.uk/pubns/afag308.htm
United Kingdom	INDG317 - Chainsaws at work	Guide	Electronic copy	http://www.hse.gov.uk/pubns/indg317.htm

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United Kingdom	Industry Code of Practice for Arboriculture	Guide	Electronic copy	https://www.trees.org.uk/Trees.org.uk/files/aa/aaa89992-0539-4615-9af4-32b0582a13f4.pdf
United Kingdom	BS 3998: Recommendations for Tree Work	Standard	Book or electronic copy	https://shop.bsigroup.com/ProductDetail/?pid=00000000030089960
United Kingdom	A guide to good climbing practice	Guide	Book	https://www.trees.org.uk/Book-Shop/Products/A-Guide-to-Good-Climbing-Practice
United States	Z133 American National Standard for Arboricultural Operations - Safety Requirements	Standard	Book	https://www.isa-arbor.com/store/product/122/
Victoria	Working safely with trees: recommended practices for the amenity tree industry	Guide	Book	https://catalogue.nla.gov.au/Record/2777448

¹See Table 1 for countries which use EAC guidelines.

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