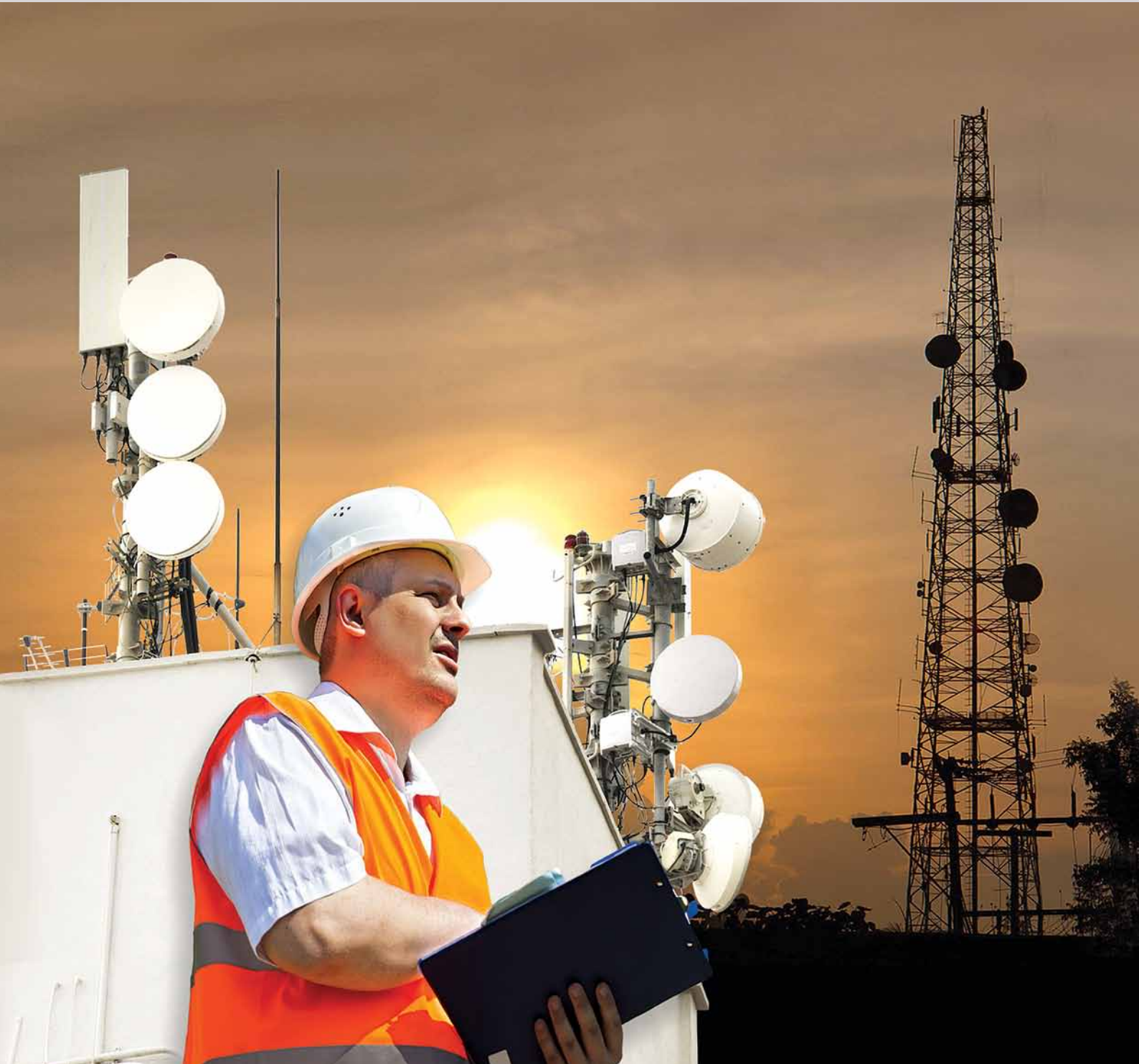


LIGHTNING PROTECTION INTERNATIONAL PTY LTD



TELECOMMUNICATIONS SOLUTIONS



Comprehensive Lightning, Surge Protection & Earthing Solutions www.lpi.com.au



The LPI story

Lightning Protection International Pty Ltd [LPI] is a fully Australian owned manufacturer and supplier of direct strike lightning protection, transient voltage surge suppression, and earthing / grounding solutions.

LPI has provided specialist lightning protection advice to customers for many years in some of the most lightning-prone areas of the world. LPI personnel have extensive experience in risk management, system design, training, installation, certification, and commissioning of lightning protection systems in a wide variety of industry groups.

LPI maintains a third party Quality Management System to AS/NZS ISO 9001:2008.

LPI's range of products and services are exported from its head office and research facility (in Tasmania, Australia) and via regional offices worldwide.

The company has been recognised within Australia for its outstanding export successes and has been awarded several prestigious export awards.

LPI's 4-Step Approach to Lightning Protection

It is the strategic aim of our company to be able to provide a complete packaged solution. LPI has identified 4 key steps when considering the complete approach to lightning protection. Ask for our 4-Step approach to lightning protection.

Our system design approach includes:

- 1** Definition and provision of area protection
- 2** Creation of a bonded earthing system
- 3** Protection of mains power lines
- 4** Protection of signal, data and communication lines

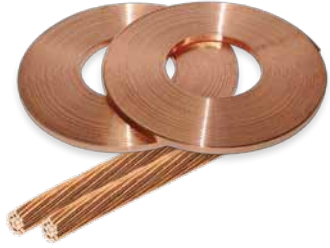


Active in Industry





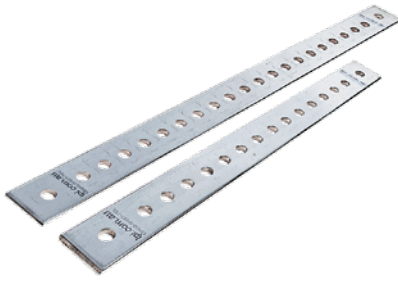
Approvals:



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PRODUCT CODE	DESCRIPTION	
FL6T253C SCC70	Earthing Conductors Soft Drawn Copper Tape, 25 mm x 3 mm [sold per 50 metre roll] Stranded Copper Cable, 70 mm ²	
UTCBER1512 LEHC-12R UTSSER1514 LEHC-14-SSR	Earth Rods & Couplers Unthreaded Copper Bonded Earth Rod, 1.5 m x 12.7 mm, 254 µm Compression Coupling for Unthreaded Earth Rod 12.7 mm [1/2"] Unthreaded Stainless Steel 316 Earth Rod, 1.5 m x 14 mm Compression Coupling for Unthreaded Earth Rod 14 mm, 316 Stainless Steel	
TFC250C-TH01025 FL5TFC200C FL5TFC300C FL5TFC400C	Flexible Braid Tinned Copper Flexible Connector 25x3.5 mm, 250 mm Flex, 2 hole, suit Ø 10, 25 mm apart Tinned Copper Flexible Connector 25x3.5 mm, 12 mm Hole, 200 mm Centres Tinned Copper Flexible Connector 25x3.5 mm, 12 mm Hole, 300 mm Centres Tinned Copper Flexible Connector 25x3.5 mm, 12 mm Hole, 400 mm Centres	
EPIT-P	Earth Pit Polymer Earth Pit	
RESLO-20 SRIM-20 GRIP-10 GRIP-40	Earth Enhancing Compound Resistance Lowering Compound - 20 kg Carbon-Based Resistance Lowering Material - 20 kg Ground Resistance Improvement Powder - 10 kg Ground Resistance Improvement Powder - 40 kg	
FEKIT-12-TC FEKIT-78-TC FEKIT-114-TC FEKIT-158-TC	Feeder Earth Kits Feeder Earthing Kit, Tinned Copper, 1.2 m Tail, Suit Ø 1/2" cable Feeder Earthing Kit, Tinned Copper, 1.2 m Tail, Suit Ø 7/8" cable Feeder Earthing Kit, Tinned Copper, 1.2 m Tail, Suit Ø 1 1/4" cable Feeder Earthing Kit, Tinned Copper, 1.2 m Tail, Suit Ø 1 5/8" cable	

PRODUCT CODE	DESCRIPTION	
	Optus Earth Bars - Copper	
EB300-THST-OPT-830	Earth Bar, Copper, 300 mm Nominal, Two Hole, Straight, Tinned, per DRG OSD-830	
EB300-THBT-OPT-830	Earth Bar, Copper, 300 mm Nominal, Two Hole, Bent Both Ends, Tinned, per DRG OSD-830	
EB450-THST-OPT-830	Earth Bar, Copper, 450 mm Nominal, Two Hole, Straight, Tinned, per DRG OSD-830	
EB450-THBT-OPT-830	Earth Bar, Copper, 450 mm Nominal, Two Hole, Bent Both Ends, Tinned, per DRG OSD-830	
EB600-THST-OPT-830	Earth Bar, Copper, 600 mm Nominal, Two Hole, Straight, Tinned, per DRG OSD-830	
EB600-THBT-OPT-830	Earth Bar, Copper, 600 mm Nominal, Two Hole, Bent Both Ends, Tinned, per DRG OSD-830	
	Optus Earth Bars - Aluminium	
EBA300-THST-OPT-830	Earth Bar Aluminium, 300 mm Nominal, Two Hole, Straight, Tinned, per OSD-830	
EBA300-THBT-OPT-830	Earth Bar Aluminium, 300 mm Nominal, Two Hole, Bent Both Ends, Tinned, per OSD-830	
EBA450-THST-OPT-830	Earth Bar Aluminium, 450 mm Nominal, Two Hole, Straight, Tinned, per OSD-830	
EBA450-THBT-OPT-830	Earth Bar Aluminium, 450 mm Nominal, Two Hole, Bent Both Ends, Tinned, per OSD-830	
EBA600-THST-OPT-830	Earth Bar Aluminium, 600 mm Nominal, Two Hole, Straight, Tinned, per OSD-830	
EBA600-THBT-OPT-830	Earth Bar Aluminium, 600 mm Nominal, Two Hole, Bent Both Ends, Tinned, per OSD-830	
ISEB1320	Internal Earth Bar, 1320 mm with Mounting	
ISEB1500	Internal Earth Bar, 1500 mm with Mounting	

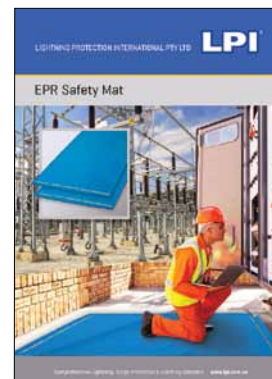
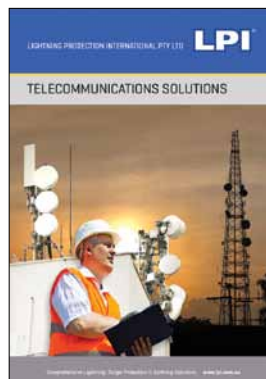
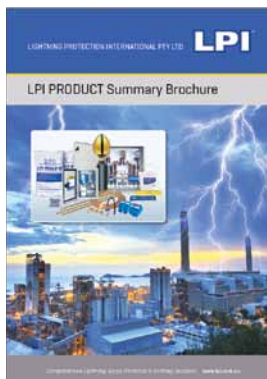
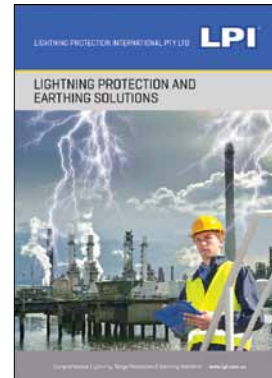
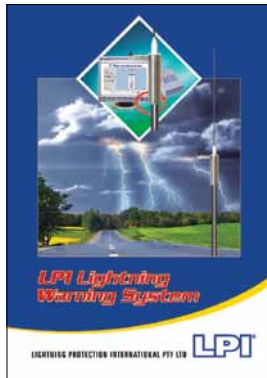
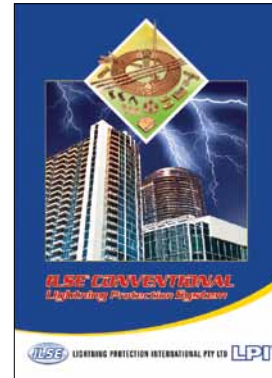
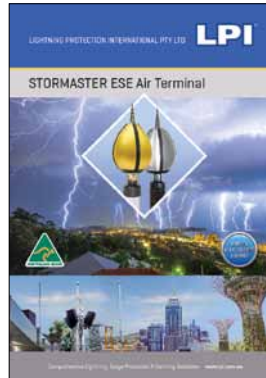
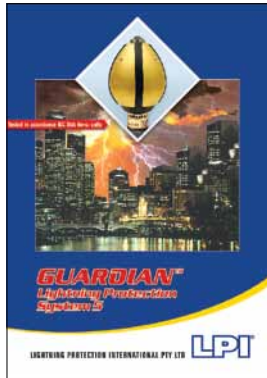
PRODUCT CODE	DESCRIPTION	
	NBN Earth Bars	
EB315-THST-NBN-21	Earth Bar, Copper, Service [SEB] for NBN, 315 mm Nom. Two Hole, Straight, Tinned, per NBN-21	
EB275-STEB-NBN-21C	Earth Bar for NBN Lattice Tower, Slotted Mounting Holes, Straight Tinned Copper, per NBN-21C	
EB425-MPEB-NBN-31B	Earth Bar, Monopole Tower for NBN, Straight Tinned Copper, per NBN-31B	
EB300-FEB-NBN-21C	Earth Bar, Feeder [FEB] Suit 300 mm Cable Ladder for NBN, Tinned Copper, Bent Both Ends, per NBN-21C	
	VHA Earth Bars	
EB350-VHA	Earth Bar, VHA Type 1, Shelter Mounted, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
MC-ASSY-024	Earth Bar Only, Unmounted VHA Type 1, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
EB600-SHST-VHA	Earth Bar, VHA, Shelter Mount, Single Hole, Straight, Tinned	
EB600-SHBT-VHA-E300	Earth Bar, VHA Type 3, Suit 600 Ladder, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
EB450-SHBT-VHA-E300	Earth Bar, VHA Type 4, Suit 450 Ladder, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
EB300-SHBT-VHA-E300	Earth Bar, VHA Type 5, Suit 300 Ladder, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
EB150-SHBT-VHA-E300	Earth Bar, VHA Type 6, Suit 150 Ladder, Single Hole, Bent, Tinned, per DRG STD-E300 Rev 6	
	Telstra Earth Bars	
EB450-SHST-TEL	Earth Bar, Copper, Telstra 450 mm, Single Hole, Straight, Tinned	
EB600-SHST-TEL	Earth Bar, Copper, Telstra 600 mm, Single Hole, Straight, Tinned	

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PRODUCT CODE	DESCRIPTION	
	Earth Bar Accessories	
EB-INSU-OPT-M6	Insulator & Fastener Kit, M6 x 25 Pair for Earth Bar	
EB-INSU-OPT-M8	Insulator & Fastener Kit, M8 x 35 Pair for Earth Bar	
EB-INSU-OPT-M10	Insulator & Fastener Kit, M10 x 50 Pair for Earth Bar	
EB-INSS-NBN-21	Insulated Shelter Support Kit, 1 off 40 x 40 Alu SHS, Buttons & Hardware per DRG NBN-STD-0021	
EB-INBFS-NBN-21	Insulated Base Frame Support Kit, Buttons & Hardware per DRG NBN-STD-0021	
	Surge Protectors	
GSM 7/16F-7/16F	GSM Protector, 20 kA, 50V, 50 Ohms, Frequency range 890-960 MHz, Female to Female	
GSM 7/16M-7/16F	GSM Protector, 20 kA, 50 V, 50 Ohms, Frequency range 890-960 MHz, Male to Female	
POE-RJ45-CAT5	Power over Ethernet Protector for CAT 5 10/100 Base-T data & 48 V DC power signals	
POE-RJ45-CAT6	Power over Ethernet Protector for CAT 6 1000 Mbits data & 48 V DC power signals <i>Contact LPI or approved distributor for details on LPI's range of RF Protectors.</i>	
	Mechanical Clamps	
UBRC35120	U-Bolt Rod Clamp to suit 14 - 16 mm rod & Cable 35 mm ² - 120 mm ²	
UBRCT35120	U-Bolt Rod Clamp to suit 14 - 17 mm rod & Tape 25 mm x 3 mm or Cable 35 mm ² - 120 mm ²	
BB25	B-Bond, Max Tape Width 25 mm	
REBC70	Rebar Clamp, 70 mm ² solid or 50 mm ² cable, to 8 - 18 Rebar	
REBC100	Rebar Clamp, 100 mm ² solid or 70 mm ² cable, to 18 - 36 Rebar	
OTC253	Tape to tape clamp, 25 mm x 3 mm tape	
FL4STC253C	Square Tape Clamp, Copper	

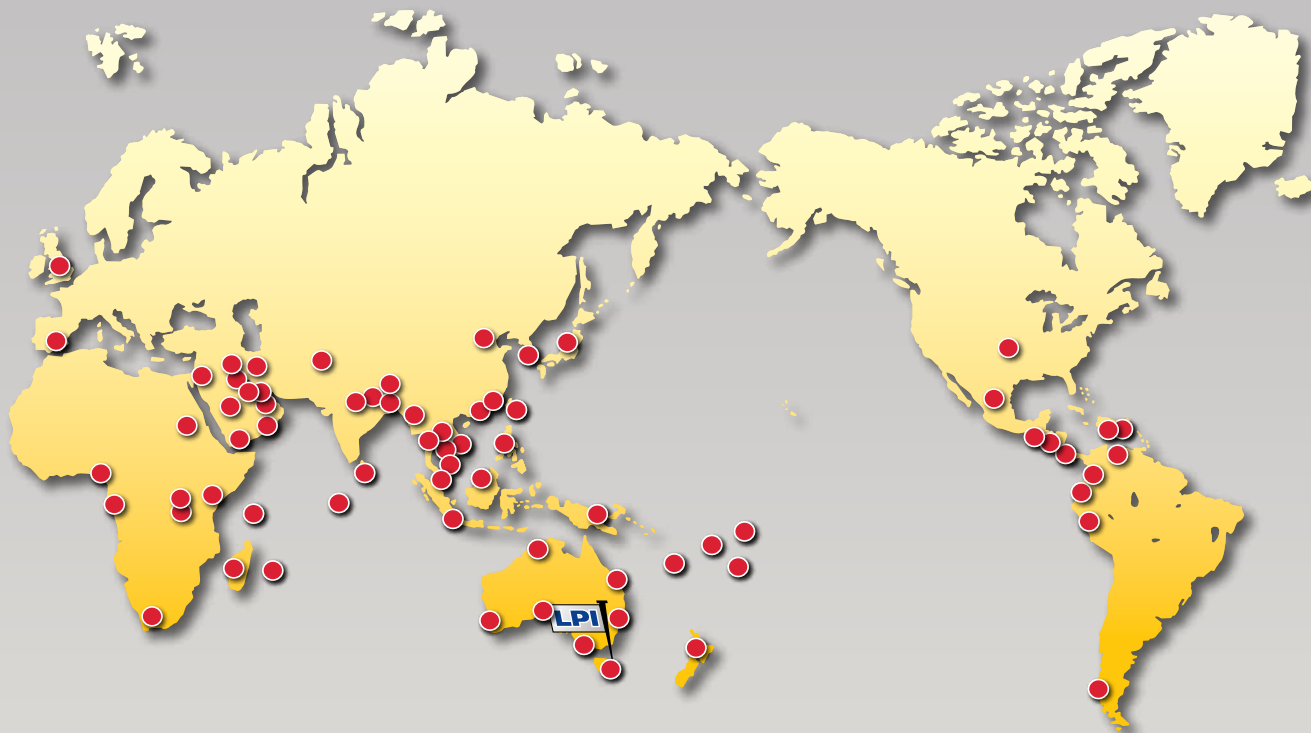
TELECOMMUNICATIONS SOLUTIONS

Together with the products and systems shown in this catalogue, LPI also has available a number of publications and CD-ROM covering their entire range of Lightning Protection and Surge and Transient Protection products and systems. If you would like further information on any of these products, please contact Lightning Protection International Pty Ltd, or your nearest LPI Distributor, or visit: www.lpi.com.au



Disclaimer

- As LPI maintains a policy of on-going product development, specifications are subject to change without notice.
- Application detail, illustrations and schematic drawings are representative only and should be used as guides.
- It should be noted that 100% [100 percent] protection for direct strike lightning, lightning detection and surge and transient protection equipment is not possible and cannot be provided due to the lightning discharge process being a natural atmospheric event.



LPI Offices



LPI Customers

LPI proudly services customers from the following countries:

- | | | | | |
|----------------------|---------------|---------------|--------------------|------------------|
| • Afghanistan | • El Salvador | • Kuwait | • Oman | • Sri Lanka |
| • Australia | • Fiji | • Laos | • Papua New Guinea | • Sudan |
| • Bahrain | • Gabon | • Macau | • Peru | • Taiwan |
| • Bangladesh | • Guatemala | • Madagascar | • Philippines | • Thailand |
| • Bhutan | • Haiti | • Malaysia | • Qatar | • Tonga |
| • Brunei | • Hong Kong | • Maldives | • Rwanda | • UAE |
| • Burundi | • India | • Mauritius | • Samoa | • United Kingdom |
| • Cambodia | • Indonesia | • Mexico | • Saudi Arabia | • USA |
| • Chile | • Iran | • Myanmar | • Seychelles | • Vanuatu |
| • China [PRC] | • Iraq | • Nepal | • Singapore | • Venezuela |
| • Colombia | • Japan | • New Zealand | • South Africa | • Vietnam |
| • Dominican Republic | • Jordan | • Nicaragua | • South Korea | • Yemen |
| • Ecuador | • Kenya | • Nigeria | • Spain | |

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