Programme

Welcoming remarks and introduction of the conference Chair Mr Paul Meanwell, IECEx Chair Mr Chris Aglus, IECE Chairs exercising Mr Paul Meanwell, IECE Chair Mr Chris Aglus, IECE Chairs exercising Mr Paul Meanwell, IECE Chair Mr Chris Aglus, IECE Chairs exercising Mr Inch Meanwell, IECE Chair Mr Chris Aglus, IECE Chair Mr Chris Aglus, IECE Chairs exercised of Outliny & Ecolerose Enterprise Singuipree Welcome to Singapore by IEC National Committee of Singapore Mr Sakur Kook Chroy, Disease determine of Outliny & Ecolerose Enterprise Singuipree Mr Sakur Kook Chroy, Disease Agreement of Outliny & Ecolerose Enterprise Singuipree Mr Sakur Kook Chroy, Disease Agreement of Outliny & Ecolerose Singuipree Mr Sakur Kook Chroy, Disease Agreement of Outliny & Ecolerose Singuipree December of Chroy, Inch Mr Sakur M		
Mr Chris Agus, IECE Reactive severity & Mr Paul Meanvol, IECE Other Welcome to Singapore by IEC National Committee of Singapore Ms Sauw Kook Choy, Decire denset of Justiny & Excellence Enterprise Singapore Ms Sauw Kook Choy, Decire denset of Justiny & Excellence Enterprise Singapore Ms Sauw Kook Choy, Decire denset of Justiny & Excellence Enterprise Singapore Ms Sauw Kook Choy, Decire denset of Justiny & Excellence Enterprise Singapore Ms Sauw Kook Choy, Decire denset of Justiny & Excellence Enterprise Singapore Ms Cape, IEC New Cook Choy, Decire of Justiny Accepts the Justine Singapore Coverview of the global hydrogen market and initiatives Loverview of the global hydrogen projects Highlights yet Cook Cook and the Justine Singapore Cook IEEE ACT To Task 47 H, Certification Manager Safety and sustainability – global perspective Dr Andrea V Tehouvalov, Diseate Hydrogen Counce, IEEE ACT 1978-01, EA H, TOP Task 43 H, Saliny Manager Industry – Challenges and apportunities Mshurfacturing and supply of equipment used in hydrogen production and use Whole life control of The Cook of the Manager Whole life control Armhol, ECE Wild Connect Mender EC Based on Conformity Assessment 10:00 – 10:30 Coffice/Tas broak ISO on going work on hydrogen ISO/TC 197/SC 1 Hydrogen activities in the Asian region Update on activities in the Asian region Current work of ISO/TC 197/SC 1 in Support of hydrogen pipelines Prof. Jinyang Zheng, Director of Zheigen Juhawskiy Hydrogen Energy Institute, Consecur of ISO/TC 197/SC 1 Art G on H, pipelines Work of the United Nations UtFECE in support of hydrogen activities, on the region Current work of ISO/TC 197/SC 1 in Support of hydrogen activities of International Safety Standards IEC 60079-14 and inspection requirements of IEC 60079-17 Find and activities of IEC Acceptance of Individual Acceptance of Individual Acceptance of Individual Acceptance of Individual Acceptan	07:45 – 08:15	Registration
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Mir_Lo Copp. (ECP estative) Occapion of the global hydrogen market and initiatives Occapion of the global hydrogen market and initiatives Occapion of the global hydrogen projects Remeabable and own carbon hydrogen projects Remeabable and own carbon hydrogen projects Remeabable and own carbon hydrogen initiatives Occapion of the global property Occapion of the global property Occapion	08:20 – 08:25	
a. Current market demand and trade flows Renewable and low carbon hydrogen projects a. Highlights of COP28 regarding global hydrogen initiatives Ms Daria Nochownic, <i>Branch Hydrogen Countil</i> Eth 1/10° Task 47 H, Curtification Manager a. Safety and sustainability − global prespective Dr Andrei V. Tchouvelev, <i>Director Hydrogen Countil</i> Eth 1/10° Task 47 H, Curtification Manager Industry − Challenges and opportunities a. Manufacturing and supply of equipment used in hydrogen production and use a. Whole life cycle a. SO/TC 19778C 1 Interest in the cycle a. SO/TC 19778C 1 Interest in the cycle of the cycle a. SO/TC 19778C 1 Interest in the cycle of the cycle a. SO/TC 19778C 1 Interest in the cycle of the cy	08:25 – 08:45	
Manufacturing and supply of equipment used in hydrogen production and use	08:45 – 09:30	 Current market demand and trade flows Renewable and low carbon hydrogen projects Highlights of COP28 regarding global hydrogen initiatives Ms Daria Nochevnik, Director Hydrogen Council, IEA H₂TCP Task 47 H₂ Certification Manager Safety and sustainability – global perspective
ISO on-going work on hydrogen ISO/TC 197/SC 1 Mr Tetsufumil keda, Chair ISO/TC 197/SC 1 Hydrogen activities in the Asian region Update on activities in the region Update on activities of Isoforo Zhejiang University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₂ pipelines Prof Jinyang Zheng, Direct of Isoforo Zhejiang University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₂ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ pipelines University Hydrogen Energy Institute, Convenor of ISO/TC 197/SC 1 AHG on H ₃ p	09:30 – 10:00	 Manufacturing and supply of equipment used in hydrogen production and use Whole life cycle Human factor
ISO/TC 197 ISO/TC 197 ISO/TC 197 ISO/TC 197/SC 1 Mr Tetsufumi Ikeda, Chair ISO/TC 197 & Dr Andrei V Tchouvelev, Chair ISO/TC 197/SC 1 Mr Tetsufumi Ikeda, Chair ISO/TC 197 & Dr Andrei V Tchouvelev, Chair ISO/TC 197/SC 1	10:00 – 10:30	Coffee/Tea break
Update on activities in the region	10:30 – 11:00	■ ISO/TC 197 ■ ISO/TC 197/SC 1
Installation and plant requirements according to Ex safety requirements of International Safety Standards IEC 60079-14 and inspection requirements of IEC 60079-17 Fundamental design considerations Installation and inspection practices Area classification to IEC 60079-10 series Mr Peter Thurnherr, Thuba Ltd, Chair IECE EXSFC, Member IECEX Executive 12:40 – 14:00 Lunch (Junch will be provided free of charge to facilitate networking apportunities) Role and work of IRENA in supporting the hydrogen economy Role and current activities of IRENA AFID (Alliance for Industrial decarbonisation) Mr Jaidev Dhavle, IRENA Associate Programme Officer, Innovation for the Energy Transition IECEX + IECQ System updates in support of hydrogen at scale Equipment, components and systems Services certification Process to gain IECEX certificate Value in holding an IECEX certificate Value in holding an IECEX certificate Ms Katy Holdredge, IECEX Vice Chair, Senior staff engineer UL Solutions IEC ecodesign certification scheme, IEC 62430 IEC carbon footprint of products (CFP) verification service Mr Chrirs Agius, IECEX & IECQ Executive Secretary Other international standards update IEC TC 31, Equipment for explosive atmospheres Dr Martin Thedens, Chair IEC TC 31 IEC TC 15, Fuel cell technologies Mr Hong Ki Lee, Chair IEC TC 105 Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	11:00 – 11:30	 Update on activities in the region Current work of ISO/TC 197/SC 1 on hydrogen pipelines
IEC 60079-14 and inspection requirements of IEC 60079-17 Fundamental design considerations Installation and inspection practices Area classification to IEC 60079-10 series Area classification to IEC 60079-10 series Mr Peter Thurnherr, Thuba Ltd. Chair IECE ISSEC, Member IECEx Executive 12:40 - 14:00	11:30 – 12:00	
Role and work of IRENA in supporting the hydrogen economy Role and current activities of IRENA AFID (Alliance for Industrial decarbonisation) Mr Jaidev Dhavle, IRENA Associate Programme Officer, Innovation for the Energy Transition IECEx + IECQ System updates in support of hydrogen at scale Equipment, components and systems Services certification Personnel certification Personnel certification Personnel certificate Value in holding an IECEx certificate Value in holding an IECEx vertificate IEC Quality Assessment System, IECQ – Environmental services supporting a circular economy IEC ecodesign certification scheme, IEC 62430 IEC hazardous substances scheme IEC carbon footprint of products (CFP) verification service Mr Chris Agius, IECEx & IECO Executive Secretary Other international standards update IEC TC 31, Equipment for explosive atmospheres Dr Martin Thedens, Chair IEC TC 31 IEC TC 105, Fuel cell technologies Mr Hong Ki Lee, Chair IEC TC 105 Coffee / Tea break 16:15 – 16:30 Panel discussion Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	12:00 – 12:40	 IEC 60079-14 and inspection requirements of IEC 60079-17 Fundamental design considerations Installation and inspection practices Area classification to IEC 60079-10 series
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■ IEC ecodesign certification scheme, IEC 62430 ■ IEC hazardous substances scheme ■ IEC carbon footprint of products (CFP) verification service Mr Chris Agius, IECEx & IECQ Executive Secretary Other international standards update ■ IEC TC 31, Equipment for explosive atmospheres Dr Martin Thedens, Chair IEC TC 31 ■ IEC TC 105, Fuel cell technologies Mr Hong Ki Lee, Chair IEC TC 105 15:45 – 16:15 Coffee / Tea break 16:15 – 16:30 Panel discussion Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	14:30 – 15:00	 Equipment, components and systems Services certification Personnel certification Process to gain IECEx certificate Value in holding an IECEx certificate
15:15 − 15:45 ■ IEC TC 31, Equipment for explosive atmospheres Dr Martin Thedens, Chair IEC TC 31 ■ IEC TC 105, Fuel cell technologies Mr Hong Ki Lee, Chair IEC TC 105 15:45 − 16:15 Coffee / Tea break 16:15 − 16:30 Panel discussion Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	15:00 – 15:15	 IEC ecodesign certification scheme, IEC 62430 IEC hazardous substances scheme IEC carbon footprint of products (CFP) verification service
16:15 – 16:30 Panel discussion 16:30 – 17:00 Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	15:15 – 15:45	■ IEC TC 31, Equipment for explosive atmospheres Dr Martin Thedens, Chair IEC TC 31
Open forum, to offer all attendees the opportunity to raise questions concerning any of the topics covered	15:45 – 16:15	Coffee / Tea break
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17:00 Close + final remarks Mr Paul Meanwell, IECEx Chair	16:30 – 17:00	
	17:00	Close + final remarks Mr Paul Meanwell, IECEx Chair

Delegates are invited to join the cocktail reception, hosted by WAROM, for further networking following the Conference.