

ISO/TC 197 consolidated position on IEC/CD 62282-1: Fuel cell technologies — Part 1 : Terminology	Date : 2002-06-05	IEC/CD 62282-1
		Reference: ISO/TC 197 doc. N 225 IEC/TC 105 doc.105/28/CD

National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
ISO/TC 197	General		Ge	ISO/TC 197 agrees with the content of IEC/CD 62282-1. ISO/TC 197 Comments are listed below.		
ISO/TC 197	3.2		Ed	Replace "which" by "that"		
ISO/TC 197	3.10		Ed	We propose the following definition: The dynamic response of the fuel cell power system output to load change.		
ISO/TC 197	3.11		Te	Electrical efficiency should be based on the lower heating value (LHV) since most of the water that leaves the vehicle does so as a vapour, and not as a liquid.	Only use the lower heating value as proposed by Filip.	
ISO/TC 197	3.17		Ed	Change "CO2" for "CO <sub>2</sub> "		
ISO/TC 197	3.20		Ed	When main components of the Fuel Cell Modules are listed, perhaps more appropriated words could be applied.	Change the expression: "conductors for conveying" by "piping systems for conveying"	
ISO/TC 197	3.21		Ed	Replace "system which converts" by "system that converts".		
ISO/TC 197	3.21		Ed	Replace "(a fuel and oxidant)" by "(a fuel and an oxidant)"		
ISO/TC 197	3.29			Same as 3.11		

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ISO/TC 197	3.32		Te	A sentence to define a low emission vehicle could be more open in order to include vehicles defined and certified by other well-recognized authority different than the California Air Resources Board		
ISO/TC 197	3.33		Ed	Perhaps, more appropriate words could be used in the definition of manifold.	Change the word "conduit" by "piping system"	
ISO/TC 197	3.45		Ed	Replace "kwhrs" and "whrs" by "kW h" and "W h" (metric system).		
ISO/TC 197	After 3.47		Te	Add definition: regenerative fuel cell Fuel cell stack or system that electrochemically regenerates fuel by the application of power to the cell stack or system. Regenerated hydrogen is collected and stored. The regenerative fuel cell system may be cycled between power generation and fuel generation modes.		
ISO/TC 197	3.48		Ed	Replace kW sec <sup>-1</sup> by kW s <sup>-1</sup> .		
ISO/TC 197	3.50		Ed	Replace "goes down the minimum value" by "goes down to their minimum value".		
ISO/TC 197	3.50		Ed	Replace "classified into types:" by "classified into two types:"		

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ISO/TC 197	3.52		Te	Standard conditions shall be consistent in all parts of the CD 62282. See our comments about this aspect on Documents 105/25/CD and 105/26/CD.	It's recommended to select the same reference conditions for temperature in all parts of the standard.	
ISO/TC 197	3.52		Ed	Replace "20C" by "20 °C".		
ISO/TC 197	3.54		Te	Replace "time which fuel cell" by. "time for which the fuel cell" The sentence should be reformulated clearly.		
ISO/TC 197	3.55		Ed	Replace "action" by "actions".		
ISO/TC 197	3.57		Ed	Replace "which" by "that".		
ISO/TC 197	3.59		Ed	We propose the following text: Test to verify the characteristic of the fuel cell power system output to load change under grid-connected operation.		
ISO/TC 197	3.61		Ed	Replace kW sec <sup>-1</sup> by kW s <sup>-1</sup> .		
ISO/TC 197	3.64		Ed	Replace "load which generates" by. "load that generates".		
ISO/TC 197	3.67		Te	Replace "carbon monoxide, oxides of nitrogen" by "carbon oxides, nitric oxides".		
ISO/TC 197	4.1		Ed	Replace (kJ/Nm <sup>3</sup> or kJ/kg) by (kJ/Nm <sup>3</sup> , kJ/kg, or kJ/mole)		

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ISO/TC 197	4.1		Te	Replace "calorific value of fuel" by "lower heating value".		

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