

## Explanation for the editorial changes to Amendment 1 to UN Global Technical Regulation No. 13 (Hydrogen and Fuel Cell Vehicles)

### I. Explanation

A. *Table of Contents, paragraph H.2.*, amend to read:

"2. National Requirements ~~Complimentary~~ **Complementary** to UN GTR Requirements

"

[Edited for clarity.]

B. *Part 1, Paragraph 78, Table 1*, amend to read:

" Table 1

#### Results of the Japanese Study

<i>Vehicle Type</i>	<i>Max svc. Life</i>	<i>Max lifetime miles travelled</i>	<i>Lifetime No. of fills ("pressure test cycles")</i>	<i>Ref: UN GTR13 Phase 2 Proposal</i>
HD	15 yrs	--	--	11,000
Commercial	20 yrs	3,500,000 km	8,450	11,000
	25 yrs	4,000,000 km	9,750	11,000
LD	15 yrs	--	--	<del>5,500</del> , 7,500 or 11,000
Commercial	20 yrs	2,100,000 km	6,560	11,000
	25 yrs	2,400,000 km	7,440	11,000

"

[Correction to reflect the requirements in Part 2, paragraph 5.1.1.2.]

C. *Part 1, Paragraph 90.*, amend to read:

" 90. Experience conducting container fire tests has found that the temperature on the side of the cylinder opposing the intended fire exposure also needs to be controlled to minimize site-to-site test variations..."

"

[Edited for clarity.]

D. *Part 1, Paragraph 110.(c)*, amend to read:

"...Additionally, as discussed in ~~Item 1~~ (a) above and illustrated in case 2 of Figure 29, the extension of the engulfing burner should be turned...See ~~item 1~~ (a) above and the case 2 in Figure 29

"

[Corrected references.]

E. *Paragraph 5.2.1.3.1*, amend to read:

"5.2.1.3.1. Pressure relief systems (para. 6.1.6. test procedure)

(b) ~~Storage system TPRDs.~~ The hydrogen gas discharge from TPRD(s) of the CHSS ~~storage system~~ shall ~~not~~ be directed **such that the hydrogen exhaust does not impinge upon:**

"

[Change in syntax to avoid "double negative."]

F. *Paragraph 6.2.5.3.2.1(c)*, amend to read:

"(c) As illustrated in Figure ~~8~~ 9 below,...

"

[Corrected reference.]

G. *Paragraph 6.2.5.4.5.5.(d)*, amend to read:

"(d) If the burner monitors for both the localized and engulfing fire stages do not meet the minimum criteria (defined in paragraph 6.2.5.4.5.4.), then the height of the pre-test plate above the burner shall be increased by 50 mm and the process in steps (b) and (c) ~~2 and 3~~ are repeated until a satisfactory height ~~if~~ is achieved.

"

[Corrected references and typo.]

I. *Paragraph 6.2.5.5.2., Note*, amend to read:

"NOTE: Examples of commonly-encountered situations for targeting the localized fire zone on the CHSS test article and positioning the engulfing fire zone under the CHSS test article are provided in the rationale (in Part I Section E~~(d)~~ **Figures 28 to 35**)

"

H. *Paragraph 6.2.6.1.2.*, amend to read:

"6.2.6.1.2. Accelerated life test. Eight TPRD units undergo testing; three at the manufacturer's specified activation temperature, ~~T<sub>act</sub>~~ **T<sub>f</sub>**, and five at an accelerated life temperature.

"

[Corrected variable name.]