

104 年下半年度「車輛安全檢測基準」部分條文修正草案討論（三）

會議紀錄

一、 開會時間：中華民國 105 年 3 月 3 日星期三上午 10 時

二、 開會地點：本中心 A103 會議室

三、 會議主席及記錄：許志成 處長

四、 出席人員：如簽到表

五、 會議結論：

（一） 有關 105 年 2 月 25 日會議尚未討論完成之基準「二十五之三、安全玻璃(草案)」及調和 UN 其他玻璃材質規定之草案討論，綜合意見如下：

1. 原「7.2.2.2.1 鋼球不得貫穿受驗件。」
修訂為「7.2.2.2.1 鋼球不應貫穿受驗件。」
2. 原「10.4.1...進行一〇〇〇次之之旋轉磨耗；內表面進行一〇〇次之之旋轉磨耗，並立即再次測量其霧值。」
修訂為「10.4.1...進行一〇〇〇次之旋轉磨耗；內表面進行一〇〇次之旋轉磨耗，並立即再次測量其霧值。」
3. 原「10.9.1...並立即再次測量其霧值外表面...」
修訂為「10.9.1...並立即再次測量其外表面霧值...」
4. 原「13.1...(硬性塑材、中空硬性塑材、膠合硬性塑材、膠合硬性塑材及膠合硬性塑材擋風玻璃者為一〇塊)」
修訂為「13.1...(硬性塑材、中空硬性塑材、膠合硬性塑材及膠合硬性塑材擋風玻璃者為一〇塊)」
5. 於法規實務推動需求下，仍請檢測機構依前次會議結論，針對無檢測能量部分提供後續建置意願與規劃，以利本中心提報交通部作為後續法規推行之參考。

（二） 有關部分基準項目調和 UN 規定，增訂申請者應檢附文件之草案討論，綜合意見如下：

1. 基準「三十之二、氣體放電式頭燈」
(1) 條文中所有「近光光束與遠光光束及/或與其光學組成...」

修訂為「近光光束與遠光光束及/或其光學組成...」

2. 基準「三十二之二、前霧燈」

- (1) 原「11.2.1...前霧燈於其安裝位置時，與地面及車輛縱軸中心面間之相對位置。」

修訂為「11.2.1...提供其調整位置說明。(申請者應以前霧燈實車安裝狀態為位置參考資料之依據)。」

- (2) 原「11.6 總光通量大於二〇〇〇流明或未逾二〇〇〇流明。」

修訂為「11.6 總光通量大於二〇〇〇流明或未逾二〇〇〇流明說明。」

3. 基準「五十二之二、非氣體放電式頭燈」

- (1) 原「14.3.2.1...前霧燈於其安裝位置時，與地面及車輛縱軸中心面間之相對位置。」

修訂為「14.3.2.1...提供其調整位置說明。(申請者應以頭燈實車安裝狀態為位置參考資料之依據)。」

- (2) 條文中所有「近光光束與遠光光束及/或與其光學組成...」

修訂為「近光光束與遠光光束及/或其光學組成...」

- (3) 條文中所有「於之前視圖」修訂為「於前視圖」

4. 基準「五十九之一、適路性前方照明系統」

- (1) 原「12.3 系統之簡要之技術說明」

修訂為「12.3 系統之簡要技術說明」

- (2) 原項次「(a)至(l)」修訂為「12.3.1 至 12.3.12」

- (3) 原項次「(i)至(iii)」修訂為「(a)至(c)」

- (4) 原「(l)...，以及其作動相關之技術特性。」

修訂為「12.3.12 ...，以及其作動相關之技術特性說明。」

5. 基準「七十四、LED (發光二極體)光源」

- (1) 條文中所有「商標」修訂為「識別」

6. 基準「四十八之二、安全帶固定裝置」

(1) 原「8. ...，確認實車與文件內容一致。」

修訂為「8. ...，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。」

(2) 原「8.1 規定 3.之車輛規格資料，與實車或圖示及/或照片。」

修訂為「8.1 規定 3.之規格資料，與受驗件圖示及/或照片。」

(3) 原「8.1.1 適當比例之車輛整體結構圖示...」

修訂為「8.1.1 適當比例之受驗件整體結構圖示...」

(4) 原「8.1.5.2 ...及其調整及鎖定系統之詳細圖示...」

修訂為「8.1.5.2 ...及其調整/鎖定系統之詳細圖示...」

7. 條文中所有「與文件內容一致。」修訂為「與文件內容一致，且由檢測機構保存該文件紀錄備查。」。

8. 除上開所列，其他基準項目內容並無修訂意見。

六、 散會(中午 12 時)

104 年度下半年「車輛安全檢測基準」增修條文內容檢討

(三)

會議資料

- 1.增修訂 104 年度（104/07~104/12）涉及國內車輛安全法規內容彙整．．．．P.2

中華民國一〇五年三月三日

增修訂 104 年度（104/07~104/012）涉及國內車輛安全法規之 UN 法規修正內容彙整（計 1 項）

項次	法規名稱	修訂法規內容	新增之法規項目	頁碼	UN 版本別	內容摘要
1	二十五之三、安全玻璃(草案)	◎		P.2	1. UN R43 00-S7 2003/07/16 2. UN R43 01-S4 2015/11/09	1. 參考 UN R43 00-S7 版，增訂硬性塑材、中空硬性塑材及撓性塑材之安全玻璃，應符合之耐候性試驗、耐燃性試驗、耐化學性試驗及橫切試驗(撓性塑材除外)等相關規範。 2. 參考 UN R43 01-S4 版，增訂主要特徵、次要特徵及次要特徵之難度指數以做為型式系列判定及檢測參考之試驗依據等規範。以及增訂硬性塑材擋風玻璃、膠合硬性塑材、膠合硬性塑材擋風玻璃、表面覆有塑材之安全玻璃、玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃等六項材質之厚度測定、耐衝擊性試驗、人頭模型衝擊試驗、耐磨耗性試驗、耐光性試驗、耐濕性試驗、可見光透過率試驗、撓性試驗、抗溫變試驗、耐燃性試驗及耐化學性試驗等相關規範。

UN R43 UNIFORM PROVISIONS CONCERNING THE APPROVAL OF SAFETY GLAZING MATERIALS 01-S4 2015/11/09安全玻璃及材質

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
01-S4			104 上半年度提報交通部草案版本
		<u>二十五之三、安全玻璃(草案)</u> 1. 實施時間及適用範圍： 1.1 中華民國 <u>一〇八年一月一</u> 日起，使用於L類車輛部份或全部車身構造，M及N類車輛乘室區之新型式	<u>二十五之二、安全玻璃</u> 1. 實施時間及適用範圍： 1.1 中華民國 <u>一〇五年一月一</u> 日起，使用於L類車輛部份或全部車身構造，M及N類車輛乘室區之新型式

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		安全玻璃(防彈玻璃、儀表板、雙層式玻璃窗(Double window)及非提供駕駛前視區或後視區之任何小塑性玻璃除外),及自中華民國一一〇年一月一日起,使用於L類車輛部份或全部車身構造,M及N類車輛乘室區之各型式安全玻璃(防彈玻璃、儀表板、雙層式玻璃窗及非提供駕駛前視區或後視區之任何小塑性玻璃除外),應符合本項規定;已符合本基準項次「二十五之二」規定之下列既有型式,應依其玻璃種類符合本項規定: 1.1.1硬性塑材、中空硬性塑材及撓性塑材之既有型式安全玻璃者,另應符合本項21.耐候性試驗、23.耐燃性試驗、24.耐化學性試驗及25.橫切試驗(撓性塑材除外)之規定。 1.1.2 硬性塑材之既有型式擋風玻璃及膠合硬性塑材之既有型式安全玻璃者,另應符合本項21.耐候性試驗、23.耐燃性試驗、24.耐化學性試驗及25.橫切試驗之規定。 1.1.3 膠合硬性塑材之既有型式擋風玻璃者,另應符合本項21.耐候性試驗、22.抗溫變試驗、23.耐燃性試驗、24.耐化學性試驗及25.橫切試驗之規定。 1.1.4 玻璃塑材複合之既有型式擋風玻璃、表面覆有塑材之既有型式安	安全玻璃(防彈玻璃、儀表板、雙層式玻璃窗(Double window)及非提供駕駛前視區或後視區之任何小塑性玻璃除外),應符合本項規定,已符合本基準項次「二十五之一」規定之既有型式,得視同符合本項規定。 1.2 除大客車及幼童專用車以外之車輛,申請少量車型安全審驗或逐車少量車型安全審驗者,得免符合本項「安全玻璃」規定。

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		<u>全玻璃及玻璃塑材複合之既有型式窗玻璃者，另應符合本項22.抗溫變試驗、23.耐燃性試驗及24.耐化學性試驗之規定。</u> <u>1.1.5 非屬本項1.1.1、1.1.2、1.1.3及1.1.4規定之既有型式，視為符合本項規定。</u> 1.2 除大客車及幼童專用車以外之車輛，申請少量車型安全審驗或逐車少量車型安全審驗者，得免符合本項「安全玻璃」規定。	
2.5. "Glass-plastics" means glazing consisting of any glazing material that comprises one layer of glass and one or more layers of plastic in which a plastic surface of the product faces the inner side.	2.5. "Glass-plastics" means glazing consisting of any glazing material that comprises one layer of glass and one or more layers of plastic in which a plastic surface of the product faces the inner side.	2.名詞釋義 ... 2.5 玻璃塑材複合玻璃 (Glass-plastics)：指由一層玻璃及一層或多層之塑材組成之玻璃，其中塑材之表面朝向內側。	2.名詞釋義 ... 2.5 玻璃 - 塑材複合玻璃 (Glass-plastics)：指由一層玻璃及一層或多層之塑材組成之玻璃，其中塑材之表面朝向內側。
-	-	2.31 <u>受驗件(Sample)</u> ：指用以代表玻璃成品之試驗片，或從成品所切割之試驗片。	2.31 <u>試樣(Sample)</u> ：指用以代表玻璃成品之試驗片，或從成品所切割之試驗片。
-	-	2.32 <u>試驗片(Test piece)</u> ： <u>受驗件之通稱。</u>	2.32 <u>試驗片(Test piece)</u> ： <u>指試樣或玻璃成品。</u>
2.10. "Principal characteristic" means a characteristic that appreciably modifies the optical and/or mechanical properties of a safety glazing material in a way not without significance to the function which it is intended to perform in a vehicle. The term also covers the trade names or marks as specified by the holder of the approval.	2.10. "Principal characteristic" means a characteristic that appreciably modifies the optical and/or mechanical properties of a safety glazing material in a way not without significance to the function which it is intended to perform in a vehicle. The term also covers the trade names or marks as specified by the holder of the approval.	2.36 主要特徵 (Principal characteristic)：係指明顯改變安全玻璃材質光學性質及/或機械性質特徵，且此特徵對車輛的功能具有重要意義且涵蓋申請者所申請之廠牌(<u>如表一</u>)。	2.33 主要特徵 (Principal characteristic)：係指明顯改變安全玻璃材質光學性質及/或機械性質特徵，且此特徵對車輛的功能具有重要意義且涵蓋申請者所申請之廠牌。 【104下半年度第二次基準草案(105.2.25)R43 01-S4版本】

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
2.11. "Secondary characteristic" means a characteristic capable of modifying the optical and/ or mechanical properties of a safety glazing material in a way which is of significance to the function which it is intended to perform in a vehicle. The extent of such modification is assessed in relation to the indices of difficulty.	2.11. "Secondary characteristic" means a characteristic capable of modifying the optical and/ or mechanical properties of a safety glazing material in a way which is of significance to the function which it is intended to perform in a vehicle. The extent of such modification is assessed in relation to the indices of difficulty.	<u>2.37</u> 次要特徵 (Secondary characteristic)：係指能夠改變安全玻璃材質光學性質及/或機械性質特徵，且此特徵對車輛的功能具有重要意義。此類改變之程度由難度指數來評估(如表二)。	<u>2.34</u> 次要特徵 (Secondary characteristic)：係指能夠改變安全玻璃材質光學性質及/或機械性質特徵，且此特徵對車輛的功能具有重要意義。此類改變之程度由難度指數來評估。 【104下半年度第二次基準草案(105.2.25)R43 01-S4版本】
2.12. The term "indices of difficulty" covers a two-stage grading system applying to the variations observed in practice in each secondary characteristic. A change from index "1" to index "2" indicates the need for additional tests.	2.12. The term "indices of difficulty" covers a two-stage grading system applying to the variations observed in practice in each secondary characteristic. A change from index "1" to index "2" indicates the need for additional tests.	<u>2.38</u> 難度指數(Indices of difficulty)：該詞包含二階段分級系統，此系統應用於每個次要特徵變化指數。由「1」到「2」的改變，意謂需要額外試驗(如表三)。	<u>2.35</u> 難度指數(Indices of difficulty)：該詞包含二階段分級系統，此系統應用於每個次要特徵變化指數。由「1」到「2」的改變，意謂需要額外試驗。 【104下半年度第二次基準草案(105.2.25)R43 01-S4版本】
8. Tests ... 8.2.1.2. Plastic glazing materials shall be subjected to the tests listed in the following table. In the case of the abrasion test, the applicant shall have the alternative between the Taber test and the set of three tests composed of the carwash, sand drop and the wiper test. 【請參考下列表格】	8. Tests ... 8.2.1.2. Plastic glazing materials shall be subjected to the tests listed in the following table. In the case of the abrasion test, the applicant shall have the alternative between the Taber test and the set of three tests composed of the carwash, sand drop and the wiper test. 【請參考下列表格】	3.2 安全玻璃應符合下表規定之試驗項目；安全玻璃為硬性塑材擋風玻璃、膠合硬性塑材及膠合硬性塑材擋風玻璃者，申請者可選擇耐磨耗性試驗，或者落砂試驗/洗車試驗/雨刷實驗試驗等三項所組成之試驗。 【請參考下列表格】	3.2 安全玻璃應符合下表規定之試驗項目；安全玻璃為硬性塑材擋風玻璃、膠合硬性塑材及膠合硬性塑材擋風玻璃者，申請者可選擇耐磨耗性試驗，或者落砂試驗/洗車試驗/雨刷實驗試驗等三項所組成之試驗。 【請參考下列表格】 【104下半年度第二次基準草案(105.2.25)R43 01-S4版本】
2.19. "Type of safety glazing material" means a glazing as defined in paragraphs 2.1. to 2.7. not exhibiting any essential differences, with respect, in particular, to	2.19. "Type of safety glazing material" means a glazing as defined in paragraphs 2.1. to 2.7. not exhibiting any essential differences, with respect, in particular, to	4. 安全玻璃之適用型式及其範圍認定原則： 4.1 廠牌相同。 4.2 玻璃種類(強化玻璃、膠合玻璃、	4. 安全玻璃之適用型式及其範圍認定原則： 4.1 廠牌相同。 4.2 玻璃種類(強化玻璃、膠合玻璃、

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
the principal and secondary characteristics defined in Annexes 4 to 12 and 14 to 19;	the principal and secondary characteristics defined in Annexes 4 to 12 and 14 to 19;	硬性塑材、中空硬性塑材、撓性塑材、膠合硬性塑材、<u>表面覆有塑材之安全玻璃、玻璃塑材複合玻璃</u>)相同。 4.3 標稱厚度相同。	硬性塑材、中空硬性塑材、撓性塑材、膠合硬性塑材) 相同。 4.3 標稱厚度相同。 【104 下半年度第二次基準草案(105.2.25)R43 01-S4 版本】
參考Annex 9~11、Annex 17~19		5.厚度測定： 5.1 膠合玻璃(含塑玻複合材質<u>及膠合玻璃擋風玻璃者</u>)標稱厚度許可誤差為正負$0.2n$公釐，n為構成膠合玻璃之平板玻璃片數； 5.2 強化玻璃、<u>玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃</u>之標稱厚度許可誤差為正負0.2公釐。 5.3 硬性塑材(<u>含硬性塑材擋風玻璃</u>)與中空硬性塑材標稱厚度許可誤差為標稱厚度的正負百分之一0，若非擠出成形者，則許可誤差為正負$(0.4+0.1e)$公釐，其中e為平板標稱厚度(公釐)。 5.4 撓性塑材標稱厚度許可誤差為正負$(0.1+0.1e)$公釐，其中e為標稱厚度(公釐)。 5.5<u>膠合硬性塑材(含膠合硬性塑材擋風玻璃)之標稱厚度許可誤差為正負$n \cdot x$公釐，n為構成硬性塑材之平板玻璃片數；x為單一片硬性塑材的製造公差。</u> 5.6<u>表面覆有塑材之安全玻璃，視塑料層為強化玻璃或膠合玻璃，其標稱厚度許可誤差依據本基準5.2或5.1</u>	5. 厚度測定： 5.1 膠合玻璃(含塑玻複合材質<u>者</u>)標稱厚度許可誤差為正負$0.2n$公釐，n為構成膠合玻璃之平板玻璃片數； 5.2 強化玻璃之標稱厚度許可誤差為正負0.2公釐。 5.3 硬性塑材與中空硬性塑材標稱厚度許可誤差為標稱厚度的正負百分之一0，若非擠出成形者，則許可誤差為正負$(0.4+0.1e)$公釐，其中e為平板標稱厚度(公釐)。 5.4 撓性塑材標稱厚度許可誤差為正負$(0.1+0.1e)$公釐，其中e為標稱厚度(公釐)。

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文																																						
		<u>規定。</u>																																							
參考資料 Annex 7(玻璃塑材複合窗玻璃) 3. Mechanical strength test -227 g ball test 3.1. Indices of difficulty of the secondary characteristics No secondary characteristic is involved. 3.2. Number of test pieces Eight flat samples measuring 300 mm x 300 mm, specially made or cut from the flattest part of a pane shall be tested 3.2.1. Test pieces can alternatively be finished products that may be supported over the apparatus described in paragraphs 2.1.1. to 2.1.1.3. of Annex 3. 3.2.2. If the test pieces are curved, care should be taken to ensure adequate contact with the support. 3.3. Test method 3.3.1. The method used shall be that described in Annex 3, paragraph 2.1. 3.3.2. The height of drop from the underface of the ball to the upper face of the test piece or sample shall be 9 m + 25 - 0 mm. 3.4. Interpretation of results 3.4.1. The test shall be considered to have given a satisfactory result if the following	Annex 6(玻璃塑材複合擋風玻璃) 4.3. 227 g ball test 4.3.1. Indices of difficulty of the secondary characteristics No secondary characteristic is involved. 4.3.2. Number of test pieces Twenty square test pieces of 300 mm + 10 - 0 mm side shall be subjected to testing. 4.3.3. Test method 4.3.3.1. The method used shall be that described in Annex 3, paragraph 2.1. Ten test pieces shall be tested at a temperature of +40 deg. C +/- 2 deg. C and ten at a temperature of -20 deg. C +/- 2 deg. C. 4.3.3.2. The height of drop for the various thickness categories and the mass of the detached fragments are given in the table below: <table><tr><th rowspan="2">Nominal thickness of test piece (mm)</th><th colspan="2">+40 deg. C +/- 2 deg. C</th><th colspan="2">-20 deg. C +/- 2 deg. C</th></tr><tr><th>Height of fall (m)</th><th>Maximum permitted mass of the fragments (g)</th><th>Height of fall (m)</th><th>Maximum permitted mass of the fragments (g)</th></tr><tr><td>e ≤ 4.5</td><td>9</td><td>12</td><td>8.5</td><td>12</td></tr><tr><td>4.5 < e ≤ 5.5</td><td>9</td><td>15</td><td>8.5</td><td>15</td></tr><tr><td>5.5 < e ≤ 6.5</td><td>9</td><td>20</td><td>8.5</td><td>20</td></tr></table> <table><tr><th rowspan="2">Nominal thickness of test piece (mm)</th><th colspan="2">+40 deg. C +/- 2 deg. C</th><th colspan="2">-20 deg. C +/- 2 deg. C</th></tr><tr><th>Height of fall (m)</th><th>Maximum permitted mass of the fragments (g)</th><th>Height of fall (m)</th><th>Maximum permitted mass of the fragments (g)</th></tr><tr><td>e > 6.5</td><td>9</td><td>25</td><td>8.5</td><td>25</td></tr></table> 4.3.4. Interpretation of results 4.3.4.1. The test shall be considered to have	Nominal thickness of test piece (mm)	+40 deg. C +/- 2 deg. C		-20 deg. C +/- 2 deg. C		Height of fall (m)	Maximum permitted mass of the fragments (g)	Height of fall (m)	Maximum permitted mass of the fragments (g)	e ≤ 4.5	9	12	8.5	12	4.5 < e ≤ 5.5	9	15	8.5	15	5.5 < e ≤ 6.5	9	20	8.5	20	Nominal thickness of test piece (mm)	+40 deg. C +/- 2 deg. C		-20 deg. C +/- 2 deg. C		Height of fall (m)	Maximum permitted mass of the fragments (g)	Height of fall (m)	Maximum permitted mass of the fragments (g)	e > 6.5	9	25	8.5	25	7.耐衝擊性試驗： ... 7.2.1 膠合玻璃、 <u>玻璃塑材複合玻璃</u> 試驗條件如下表所示： 【如下列表格】 7.2.2 膠合玻璃、 <u>玻璃塑材複合玻璃</u> 試驗基準： 7.2.2.1 前擋風玻璃：鋼球不得貫穿 <u>受驗件</u> ， <u>受驗件</u> 未碎成數片。若中間膜未撕裂，衝擊面之背面剝落之碎片，總質量不得超過下表。 <u>7.2.2.1.1 玻璃塑材複合擋風玻璃：鋼球不應貫穿受驗件，受驗件未碎成數片。</u> 7.2.2.2 非前擋風玻璃： 7.2.2.2.1 鋼球不 <u>應</u> 貫穿 <u>受驗件</u> 。 7.2.2.2.2 <u>受驗件</u> 未碎裂成碎片。 7.2.2.2.3 被鋼球撞擊之玻璃背面，其少量玻璃碎片可脫離樣本，但增強或強化材料之受影響區應小於六四五平方公釐，其表面應始終良好覆蓋著緊緊附著玻璃之微小顆粒。從增強或強化材料脫離之玻璃，在其每側應不得超過一九三五平方公釐。衝擊點玻璃背面之外玻璃表面及衝擊點附近之週圍區域之剝落應不視為不合格。	7.耐衝擊性試驗： ... 7.2.1 膠合玻璃試驗條件如下表所示： 【如下列表格】 7.2.2 膠合玻璃試驗基準： 7.2.2.1 前擋風玻璃：鋼球不得貫穿 <u>試樣</u> ， <u>試樣</u> 未碎成數片。若中間膜未撕裂，衝擊面之背面剝落之碎片，總質量不得超過下表。 7.2.2.2 非前擋風玻璃： 7.2.2.2.1 鋼球不 <u>得</u> 貫穿 <u>試樣</u> 。 7.2.2.2.2 <u>試樣</u> 未碎裂成碎片。 7.2.2.2.3 被鋼球撞擊之玻璃背面，其少量玻璃碎片可脫離樣本，但增強或強化材料之受影響區應小於六四五平方公釐，其表面應始終良好覆蓋著緊緊附著玻璃之微小顆粒。從增強或強化材料脫離之玻璃，在其每側應不得超過一九三五平方公釐。衝擊點玻璃背面之外玻璃表面及衝擊點附近之週圍區域之剝落應不視為不合格。
Nominal thickness of test piece (mm)	+40 deg. C +/- 2 deg. C		-20 deg. C +/- 2 deg. C																																						
	Height of fall (m)	Maximum permitted mass of the fragments (g)	Height of fall (m)	Maximum permitted mass of the fragments (g)																																					
e ≤ 4.5	9	12	8.5	12																																					
4.5 < e ≤ 5.5	9	15	8.5	15																																					
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Nominal thickness of test piece (mm)	+40 deg. C +/- 2 deg. C		-20 deg. C +/- 2 deg. C																																						
	Height of fall (m)	Maximum permitted mass of the fragments (g)	Height of fall (m)	Maximum permitted mass of the fragments (g)																																					
e > 6.5	9	25	8.5	25																																					

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文											
conditions are met: (a) The ball does not pass through the test piece; (b) The laminate shall not break into separate pieces; (c) At the point immediately opposite the point of impact, small fragments of glass may leave the specimen, but the small area thus affected shall expose less than 645 mm² of reinforcing or strengthening material, the surface of which shall always be well covered with tiny particles of tightly adhering glass. Total separation of glass from the reinforcing or strengthening material shall not exceed 1,935 mm² on either side. Spalling of the outer glass surface opposite the point of impact and adjacent to the area of impact is not to be considered a failure. 3.4.2. A set of test pieces submitted for approval shall be considered satisfactory from the point of view of the mechanical strength test if at least six of the eight tests have given a satisfactory result. 【與現行膠合玻璃試驗基準相同，惟免符合本項7.2.2.1之總質量最大值規定】	given a satisfactory result if the following conditions are met: - The ball does not pass through the test piece, - The test piece does not break into several pieces, - If the interlayer is not torn, the weight of fragments detached from the side of the glass opposite to the point of impact shall not exceed the appropriate values specified in paragraph 4.3.3.2. above. 4.3.4.2. A set of test pieces submitted for approval shall be considered satisfactory from the point of view of the 227 g ball test if at least eight of the ten tests carried out at each temperature, have given a satisfactory result. 【與現行膠合玻璃試驗基準相同】	... <u>7.2.9 膠合硬性塑材及硬性塑材擋風玻璃者之受驗件及數量：邊長三〇〇(正一〇，負〇)公釐之正方形受驗件或受驗件，數量一〇塊。夾具與受驗件之間的接觸整個寬度約一五公釐。上下支撐框架應被夾緊穩固，確保試驗過程中，受驗件移動距離不超過二公釐。</u> <u>7.2.9.1 在環境溫度狀態下，僅允許在進行27.7.4.4耐濕性試驗之後再執行耐衝擊性試驗，其試驗條件如下所示：</u> <table border="1"> <tr> <th rowspan="2">分類</th><th>受驗件數量/首測允許不符合數</th><th>掉落高度(m) 窗板厚度e(mm)</th><th>適用溫度(°C)</th></tr> <tr> <td></td><td></td><td>-18±2</td></tr> <tr> <td>膠合硬性塑</td><td>10 / ≥2</td><td>所有厚度</td><td>6</td></tr> </table>	分類	受驗件數量/首測允許不符合數	掉落高度(m) 窗板厚度e(mm)	適用溫度(°C)			-18±2	膠合硬性塑	10 / ≥2	所有厚度	6	...
分類	受驗件數量/首測允許不符合數	掉落高度(m) 窗板厚度e(mm)		適用溫度(°C)										
			-18±2											
膠合硬性塑	10 / ≥2	所有厚度	6											

增/修內容	原內容	修訂國內法規條文草案				對應國內法規條文
		材				
		硬性 塑 材 擋 風 玻 璃	10 / ≥2	所有厚度	8.5	
		7.2.9.2 膠合硬性塑材及硬性塑材擋風玻璃者之試驗基準： (a)鋼球不應貫穿受驗件。 (b)受驗件未碎裂成碎片。 7.2.9.3 耐衝擊性試驗後允許受驗件有裂紋(Cracks)和裂痕(Fissure)。 7.2.10 膠合硬性塑材擋風玻璃受驗件及數量：邊長三〇〇(正一〇，負〇)公釐之正方形受驗件，數量二〇塊；或基本上為平坦製成品之受驗件，數量一〇塊。夾具與受驗件之間的接觸整個寬約一五公釐。上下支撐框架應被夾緊穩固，確保試驗過程中，受驗件移動不超過二公釐。 7.2.10.1 為盡量減少受驗件之溫度變化，非前擋風玻璃受驗件應於自冷卻設備移出後之三〇秒內進行，其				

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文														
		試驗條件如下表所示： <table><tr><th rowspan="2">分類</th><th>受驗件數量/首測允許不符合數</th><th>掉落高度(m)</th><th colspan="2">適用溫度(℃)</th></tr><tr><th>窗板厚度e(mm)</th><th></th><th>40±2</th><th>-18±2</th></tr><tr><td>膠合硬性塑材擋風玻璃</td><td>10 / ≥2</td><td>所有厚度</td><td>9</td><td>8.5</td></tr></table> 7.2.10.2 膠合硬性塑材擋風玻璃者之試驗基準： (a)鋼球不應貫穿受驗件。 (b)受驗件未碎裂成碎片。 7.2.10.3 耐衝擊性試驗後允許受驗件有裂紋和裂痕。	分類	受驗件數量/首測允許不符合數	掉落高度(m)	適用溫度(℃)		窗板厚度e(mm)		40±2	-18±2	膠合硬性塑材擋風玻璃	10 / ≥2	所有厚度	9	8.5	
分類	受驗件數量/首測允許不符合數	掉落高度(m)		適用溫度(℃)													
	窗板厚度e(mm)		40±2	-18±2													
膠合硬性塑材擋風玻璃	10 / ≥2	所有厚度	9	8.5													
01-R3-C3		9.人頭模型衝擊試驗：	9.人頭模型衝擊試驗：														

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Annex 6 Ordinary laminated-glass windscreens 3. Headform test ... 3.2.1. Number of test pieces Four test pieces from the smallest-developed-area series and four samples from the largest-developed-area series selected in accordance with the provisions of Annex 13, shall be tested. 3.2.2. Test method 3.2.2.1. The method used shall be that described in Annex 3. paragraph 3.1. ... 3.2.2.2. The drop height shall be 1.5 m +0/-5 mm.	Annex 6 Ordinary laminated-glass windscreens 3. Headform test ... 3.2.1. Number of test pieces Four test pieces from the smallest-developed-area series and four samples from the largest-developed-area series selected in accordance with the provisions of Annex 13, shall be tested. 3.2.2. Test method 3.2.2.1. The method used shall be that described in Annex 3. paragraph 3.1. 3.2.2.2. The drop height shall be 1.5 m+5/-0 mm.	9.1 <u>膠合玻璃擋風玻璃、玻璃塑材複合擋風玻璃</u> 9.1.1 <u>受驗件</u>：前擋風玻璃使用製成品為<u>受驗件</u>，數量四塊；<u>前擋風玻璃以外之玻璃</u>或使用一一〇〇(正五，負二)公釐乘五〇〇(正五，負二)公釐之<u>受驗件</u>，數量為<u>四塊</u>。<u>玻璃塑材複合擋風玻璃使用自最小展開面積系列之四塊完整擋風玻璃和使用自最大展開面積系列之四塊完整擋風玻璃。</u> 9.1.2 <u>受驗件</u>於攝氏二〇(正負五)度室內保持四小時後立即進行試驗。 9.1.3 人頭模型質量一〇(正負〇・二)公斤，自一・五公尺(<u>前擋風玻璃試驗片則為一・五公尺正〇，負五公釐</u>)高度自由落下或採取能達到相同速率之方式。衝擊點須位於<u>受驗件</u>幾何中心四〇公釐範圍內。落球須衝擊<u>受驗件</u>於裝車後朝內側之面。 9.1.4 <u>試驗結果</u>應符合下列規定。 9.1.4.1 由衝擊點為中心產生圓形狀之多數龜裂時，距衝擊點最近之龜裂須在八〇公釐以內。 9.1.4.2 玻璃與中間膜須接著良好，但距衝擊點中心六〇公釐以外者，允許寬度四公釐以下之剝離。 9.1.4.3 於衝擊側：	9.1 <u>試樣</u>：前擋風玻璃使用製成品<u>或試驗片</u>，前擋風玻璃以外之玻璃使用一一〇〇(正五，負二)公釐乘五〇〇(正五，負二)公釐之<u>試驗片</u>，<u>製成品四塊或試驗片六塊</u>。 9.2 <u>試驗片</u>於攝氏二〇(正負五)度室內保持四小時後立即進行試驗。 9.3 人頭模型質量一〇(正負〇・二)公斤，自一・五公尺(<u>前擋風玻璃試驗片則為四公尺</u>)高度自由落下或採取能達到相同速率之方式。衝擊點須位於<u>試樣</u>幾何中心四〇公釐範圍內。落球須衝擊<u>試樣</u>於裝車後朝內側之面。 9.4 <u>製成品</u>應符合下列規定。 9.4.1 由衝擊點為中心產生圓形狀之多數龜裂時，距衝擊點最近之龜裂須在八〇公釐以內。 9.4.2 玻璃與中間膜須接著良好，但距衝擊點中心六〇公釐以外者，允許寬度四公釐以下之剝離。 9.4.3 於衝擊側：不得有超過二〇平
參考Annex 17~19及補充資料 【9.參考資料如下列資料所示】 Annex 3 General test conditions 3. Headform test 3.1. Headform test without deceleration measurement 3.1.1. Apparatus Headform weight with a spherical or semi-spherical headform made of laminated hardwood covered with replaceable felt and with or without a cross-beam made of wood. There is a			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
neck-shaped intermediate piece between the spherical part and the cross-beam and a mounting rod on the other side of the cross-beam. The dimensions shall be in accordance with Figure 2. The total mass of the apparatus shall be 10 kg +/- 0.2 kg. ... 3.1.4. Test conditions Temperature: 20 deg. C +/- 5 deg. C Pressure: 860 to 1,060 mbar Relative humidity: 60 +/- 20 per cent. 3.1.5. Procedure 3.1.5.1. Test on a flat test piece The flat test piece, having a length of 1,100 + 5/-2 mm and a width of 500 + 5/-2 mm, shall be kept at a constant temperature of 20 deg. C +/- 5 deg. C for at least four hours immediately preceding the test.		<u>9.1.4.3.1</u> 不得有超過二〇平方公分之膜露出。 <u>9.1.4.3.2</u> 膜之裂痕長度須在三五公釐以內。 <u>9.1.5</u> 所有受驗件應合格。 <u>9.2</u> 硬性塑材、中空硬性塑材、膠合硬性塑材、硬性塑材擋風玻璃及膠合硬性塑材擋風玻璃 <u>9.2.1</u>受驗件：使用製成品六塊，或一一七〇(正〇，負二)公釐乘五七〇(正〇，負二)公釐之受驗件，數量六塊。 <u>9.2.2</u> 受驗件於攝氏二〇(正負五)度室內保持四小時後立即進行試驗。 <u>9.2.3</u> 人頭模型質量一〇(正負〇・二)公斤，自一一・五公尺(前擋風玻璃受驗件則為二公尺)高度採自由落下或採取能達到相同速率之方式。衝擊點須位於受驗件幾何中心四〇公釐範圍內。落球須衝擊受驗件於裝車後朝內側之面。 <u>9.2.3.1</u> 對於膠合硬性塑材、硬性塑材及中空硬性塑材之人頭模型試驗高度如下： <u>9.2.3.1.1</u> 對位於乘員前方且有可能受到衝擊之前向窗玻璃，自由落下之高度為三公尺，亦應測量HIC值。 <u>9.2.3.1.2</u> 對於受到衝擊機率較小之側窗、後窗及天窗，自由落下之高度為一・五公尺，亦應測量HIC值。	方公分之膜露出。 <u>9.4.4</u> 膜之裂痕長度須在三五公釐以內。 <u>9.5</u> 試驗片應符合下列規定。 <u>9.5.1</u> 試樣破裂，顯現數個以衝擊點為中心之圓形龜裂。 <u>9.5.2</u> 容許中間膜撕裂，但人頭模型不得貫穿試樣。 <u>9.5.3</u> 應無大型破片自中間膜剝離。 <u>9.6</u> 所有試樣應合格。

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		<u>9.2.3.2 對於硬性塑材擋風玻璃和膠合硬性塑材擋風玻璃其自由落下之高度為三公尺，亦應測量HIC值。</u> <u>9.2.4 試驗結果應符合下列規定。</u> <u>9.2.4.1 人頭模型不應貫穿受驗件，應無大型破片自中間膜剝離。</u> <u>9.2.4.2 HIC值(頭部傷害指數)小於一〇〇〇。</u> <u>9.2.4.3 所有受驗件應合格。</u>	
參考Annex 9~11		10.耐磨耗性試驗： ... 10.4 以裝車後朝外側之面為磨耗面，試驗機每分鐘六五至七五轉以逆時鐘方向旋轉，各磨耗輪施以五〇〇公克載重，進行一〇〇〇次(硬性塑材及中空硬性塑材者得依申請者宣告等級M而減為五〇〇次)之旋轉磨耗，並立即再次測量其霧值。若裝車後朝內側之面有塑材塗層者(如表面覆有塑材之安全玻璃)、或塑玻複合材質者，則對其內表面要進行一〇〇次之旋轉磨耗，並立即再次測量其霧值。 <u>10.4.1 玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃對其外表面進行一〇〇〇次之旋轉磨耗；內表面進行一〇〇次之旋轉磨耗，並立即再次測量其霧值。</u> 10.5 磨耗輪之硬度須為七二(正負五)IRHD。(IRHD：國際橡膠硬	10.耐磨耗性試驗： ... 10.4 以裝車後朝外側之面為磨耗面，試驗機每分鐘六五至七五轉以逆時鐘方向旋轉，各磨耗輪施以五〇〇公克載重，進行一〇〇〇次(硬性塑材及中空硬性塑材者得依申請者宣告等級M而減為五〇〇次)之旋轉磨耗，並立即再次測量其霧值。若裝車後朝內側之面有塑材塗層者、或塑玻複合材質者，則對其內表面要進行一〇〇次之旋轉磨耗，並立即再次測量其霧值。 10.5 磨耗輪之硬度須為七二(正負五)IRHD。(IRHD：國際橡膠硬

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		度)。 10.6 外表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之二(申請者宣告硬性塑材及中空硬性塑材為等級M者，其差不得超過百分之一0)。而內表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之四。 <u>10.7 申請者宣告等級L者之受驗件外表面磨耗，可以採用耐磨耗性試驗，或以等效性試驗如落砂試驗/洗車試驗/雨刷試驗等三項所組成之試驗，試驗分別描述於本基準中規定18.、19.及20.。</u> 10.8 若以膠合硬性塑材者進行試驗，其規定如下: <u>10.8.1 申請者宣告等級L者，應進行一000次之旋轉磨耗，並立即再次測量其霧值，外表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之二。內表面要進行一00次之旋轉磨耗，並立即再次測量其霧值。內表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之四。</u> <u>10.8.2 申請者宣告等級M者，應進行五00次之旋轉磨耗，並立即再次測量其霧值，外表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之一0。內表面要進行一00</u>	度)。 10.6 外表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之二(申請者宣告硬性塑材及中空硬性塑材為等級M者，其差不得超過百分之一0)。而內表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之四。 <u>10.7 試樣全數應合格。</u>

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		<u>次之旋轉磨耗，並立即再次測量其霧值。內表面磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之四。</u> <u>10.8.3 天窗得免該項試驗。</u> <u>10.8.4 所有受驗件應合格。</u> <u>10.9 若為硬性塑材擋風玻璃及膠合硬性塑材擋風玻璃者，應進行試驗如下：</u> <u>10.9.1 進行一〇〇〇次之旋轉磨耗，並立即再次測量其外表面霧值，磨耗後之霧值減去磨耗前之霧值，其差不得超過百分之二。</u> <u>10.9.2 所有受驗件應合格。</u>	
		12.耐光性試驗： 12.1受驗件：七六公釐乘三〇〇公釐之受驗件，數量三塊。 12.2受驗件於攝氏四五(正負五)度之裝置中，以裝車後朝外側之面朝向光源，置於距光源(七五〇(正負五〇)W之石英玻璃水銀燈或相當者)二三〇公釐處，以紫外線照射一〇〇小時。 12.3 試驗後可見光透過率不得低於試驗前原始值之百分之九五，且安裝於駕駛可視之前擋風玻璃及其他玻璃，其試驗後光透過率不得低於百分之七〇。 <u>12.4 膠合硬性塑材或膠合硬性塑材擋風玻璃者之照射後受驗件，於白</u>	12.耐光性試驗： 12.1 試樣：七六公釐乘三〇〇公釐之試驗片，數量三塊。 12.2 試樣於攝氏四五(正負五)度之裝置中，以裝車後朝外側之面朝向光源，置於距光源(七五〇(正負五〇)W之石英玻璃水銀燈或相當者)二三〇公釐處，以紫外線照射一〇〇小時。 12.3 試驗後可見光透過率不得低於試驗前原始值之百分之九五，且安裝於駕駛者可視之前擋風玻璃及其他玻璃，其試驗後光透過率不得低於百分之七〇。 <u>12.4 所有試樣應合格。</u>

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		<u>色背景下檢查，若有輕微著色，惟無其他顯著缺陷，則視為符合耐熱性試驗。</u> <u>12.5 所有受驗件應合格。</u>	
參考Annex 9~11 【13.3.2.3參考資料如下列資料所示】		13.耐濕性試驗： 13.1 <u>膠合玻璃、膠合玻璃之擋風玻璃、表面覆有塑材之安全玻璃、玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃之受驗件</u>：邊長三〇〇公釐之正方形受驗件，數量三塊。(硬性塑材、中空硬性塑材、<u>膠合硬性塑材</u>、膠合硬性塑材及膠合硬性塑材擋風玻璃者為<u>一〇</u>塊) 13.2 <u>受驗件</u>垂直置於攝氏五〇(正負二)度與相對濕度百分之九五(正負百分之四)之密閉容器內一四天。 13.3 <u>受驗件</u>應符合下列規定。 13.3.1 <u>膠合玻璃、膠合玻璃之擋風玻璃、硬性塑材、中空硬性塑材、表面覆有塑材之安全玻璃、玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃</u> 13.3.1.1 試驗後<u>受驗件</u>於室溫中靜置二小時(靠車內面有塑材塗層者、或塑玻複合材質為四八小時)，自非切割邊緣一〇公釐以上或自切割邊緣一五公釐以上應無明顯變化發生。 13.3.1.2 所有<u>受驗件</u>應合格。 13.3.2 硬性塑材、中空硬性塑材、膠合硬性塑材擋風玻璃、膠合硬性塑	13.耐濕性試驗： 13.1 <u>試樣</u>：邊長三〇〇公釐之正方形<u>試驗片</u>，數量三塊。(硬性塑材<u>及</u>中空硬性塑材<u>者</u>為<u>十</u>塊) 13.2 <u>試樣</u>垂直置於攝氏五〇(正負二)度與相對濕度百分之九五(正負百分之四)之密閉容器內一四天。 13.3 <u>試樣</u>應符合下列規定。 13.3.1 膠合玻璃 13.3.1.1 試驗後<u>試樣</u>於室溫中靜置二小時(靠車內面有塑材塗層者、或塑玻複合材質為四八小時)，自非切割邊緣一〇公釐以上或自切割邊緣一五公釐以上應無明顯變化發生。 13.3.1.2 所有<u>試樣</u>應合格。 13.3.2 硬性塑材<u>及</u>中空硬性塑材<u>者</u>

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		<u>材及膠合硬性塑材擋風玻璃者</u> 13.3.2.1 無起泡或產生乳化現象。 13.3.2.2 試驗後可見光透過率不得低於試驗前原始值之百分之九五，且試驗後可見光透過率不得低於百分之七〇(在駕駛視野區域者)。 <u>13.3.2.3 試驗後，靜置受驗件於攝氏二三(正負二)度與相對濕度百分之五〇(正負百分之五)環境中至少四八小時，然後再進行耐衝擊性試驗(於室溫下，落球高度八·五公尺)。</u>	13.3.2.1 無起泡或產生乳化現象。 13.3.2.2 試驗後可見光透過率不得低於試驗前原始值之百分之九五，且試驗後可見光透過率不得低於百分之七〇(在駕駛視野區域者)。
參考Annex 9~11		14.可見光透過率試驗： 14.1 <u>受驗件</u>：製成品，數量<u>四塊</u>。前擋風玻璃之膠合玻璃，使用於M1類車輛時，自正常試驗區域B（如圖二、三所示）切取<u>受驗件</u>，使用於N1類車輛時，申請者可要求選擇試驗區域B或試驗區域I（如圖五所示）切取<u>受驗件</u>，使用於其他類車輛時，自試驗區域I切取<u>受驗件</u>；前擋風玻璃以外之膠合玻璃，自製成品切取<u>受驗件</u>。 <u>14.1.1 玻璃塑材複合窗玻璃量測可見光透過率，應自影響駕駛視野之位置切取受驗件。</u> 14.2 置入<u>受驗件</u>前，調整接受器顯示值為一〇〇，再置入<u>受驗件</u>於光源與接受器間，光束入射角為〇(正負五)度，記錄接受器顯示值n。	14. 可見光透過率試驗： 14.1 <u>試樣</u>：製成品，數量<u>一塊</u>。前擋風玻璃之膠合玻璃，使用於M1類車輛時，自正常試驗區域B（如圖二、三所示）切取<u>試樣</u>，使用於N1類車輛時，申請者可要求選擇試驗區域B或試驗區域I（如圖五所示）切取<u>試樣</u>，使用於其他類車輛時，自試驗區域I切取<u>試樣</u>；前擋風玻璃以外之膠合玻璃，自製成品切取<u>試樣</u>。 14.2 <u>試樣</u>置入前，調整接受器顯示值為一〇〇，再置入<u>試樣</u>於光源與接受器間，光束入射角為〇(正負五)度，記錄接受器顯示值n。

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		14.3 計算可見光透過率($n / - 0$), 中華民國九十九年一月一日前, 前擋風玻璃不得低於百分之七五, 前擋風玻璃以外之玻璃窗不得低於百分之七〇。自中華民國九十九年一月一日起, 前擋風玻璃或前擋風玻璃以外之玻璃窗不得低於百分之七〇。 對與駕駛人視野無直接影響(如天窗)之玻璃窗, 其可見光透過率可小於百分之七〇, 惟應適當標示。 <u>14.4 所有受驗件應合格。</u>	14.3 計算可見光透過率($n / - 0$), 中華民國九十九年一月一日前, 前擋風玻璃不得低於百分之七五, 前擋風玻璃以外之玻璃窗不得低於百分之七〇。自中華民國九十九年一月一日起, 前擋風玻璃或前擋風玻璃以外之玻璃窗不得低於百分之七〇。 對與駕駛人視野無直接影響(如天窗)之玻璃窗, 其可見光透過率可小於百分之七〇, 惟應適當標示。
【17.1 參考資料如下列資料所示】		17.撓性試驗： 17.1 <u>受驗件</u>：三〇〇公釐長、二五公釐寬之<u>受驗件</u>，數量<u>一塊</u>。 17.2 在<u>受驗件</u>約二五公釐處固定住，讓<u>受驗件</u>其餘二七五公釐長的部份水平地懸空(環境溫度攝氏二〇度(正負二度)，相對溼度百分之六〇(正負百分之五))。 17.3 <u>受驗件</u>應符合下列規定。 17.3.1 硬性材質：經過懸空六〇秒後，<u>受驗件</u>自由端垂直位移不大於五〇公釐。	17.撓性試驗： 17.1 <u>試樣</u>：三〇〇公釐長、二五公釐寬之<u>試驗片</u>，數量<u>四塊</u>。 17.2 在<u>試樣</u>約二五公釐處固定住，讓<u>試件</u>其餘二七五公釐長的部份水平地懸空(環境溫度攝氏二〇度(正負二度)，相對溼度百分之六〇(正負百分之五))。 17.3 <u>試樣</u>應符合下列規定。 17.3.1 硬性材質：經過懸空六〇秒後，<u>試樣</u>自由端垂直位移不大於五〇公釐。
參考Annex 9~11		22.抗溫變試驗 ... 22.1 試驗方法 取膠合硬性塑材擋風玻璃、<u>表面覆有塑材之安全玻璃、玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃</u>之受	22.抗溫變試驗 ... 22.1 試驗方法 取膠合硬性塑材擋風玻璃之受驗件，其為邊長三〇〇公釐之正方形，數量二塊。放置於攝氏負四〇

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
		驗件，其為邊長三〇〇公釐之正方形，數量二塊。放置於攝氏負四〇(正負五)度之箱體內六小時；緊接著將其放置於溫度攝氏二三(正負二)度開放空間內，保持一小時或直至受驗件溫度與所在空間內溫度達到平衡。隨後將其放置於溫度攝氏七二(正負二)度之循環空氣中三小時；再放置於溫度攝氏二三(正負二)度之開放空間內，直至受驗件冷卻至此空間內溫度，應檢驗該受驗件。	(正負五)度之箱體內六小時；緊接著將其放置於溫度攝氏二三(正負二)度開放空間內，保持一小時或直至受驗件溫度與所在空間內溫度達到平衡。隨後將其放置於溫度攝氏七二(正負二)度之循環空氣中三小時；再放置於溫度攝氏二三(正負二)度之開放空間內，直至受驗件冷卻至此空間內溫度，應檢驗該受驗件。 【104 下半年度第二次基準草案(105.2.25)R43 01-S4 版本】
參考資料 Annex 3 10.9. Interpretation of results 10.9.1. Safety glazing faced with plastics material (paragraph 2.4. of this Regulation) and glass plastics (paragraph 2.5. of this Regulation) shall be considered satisfactory from the point of view of the fire-resistance test if the burn rate does not exceed 90 mm/min. 10.9.2. Rigid plastic panes (paragraph 2.6.1. of this Regulation), flexible plastic panes (paragraph 2.6.2. of this Regulation) and rigid plastic multiple glazed units shall be considered satisfactory from the point of view of the fire resistance test if the burn rat		23. 耐燃性試驗 (Burning behaviour (fire-resistance) test) ... 23.9 結果判定 23.9.1材料為表面覆有塑材之安全玻璃(依2.4規定)與 <u>玻璃塑材複合玻璃(依2.5規定，如玻璃塑材複合擋風玻璃及玻璃塑材複合窗玻璃)</u> ，若其燃燒速率未逾九〇公釐/分鐘，則視為符合耐燃性試驗。 23.9.2 材料為硬性塑材(依2.6.1規定)與撓性塑材(依2.6.2規定)及硬性多層玻璃元件者(依2.8規定)，若其燃燒速率未逾一一〇公釐/分鐘，則視為符合耐燃性試驗。	23. 耐燃性試驗 (Burning behaviour (fire-resistance) test) ... 23.9 結果判定 23.9.1材料為表面覆有塑材之安全玻璃(依2.4規定)與 <u>塑材玻璃者(依2.6規定)</u> ，若其燃燒速率未逾九〇公釐/分鐘，則視為符合耐燃性試驗。 23.9.2 材料為硬性塑材(依2.6.1規定)與撓性塑材(依2.6.2規定)及硬性多層玻璃元件者(依2.8規定)，若其燃燒速率未逾一一〇公釐/分鐘，則視為符合耐燃性試驗。 【104 下半年度第二次基準草案(105.2.25)R43 01-S4 版本】

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
does not exceed 110 mm/min.			
參考Annex 9~11 【24.2.1.1 參考資料如下列資料所示】		24.耐化學性試驗 ... 24.2 試驗方法 24.2.1.浸泡試驗 一八〇公釐乘二五公釐之受驗件，數量共四塊。依據24.1所規定，每一種化學品皆應當分別進行試驗；且每一項試驗之受驗件和每一個清洗品皆為全新。 試驗之前，應依據申請者說明文件，清洗乾淨受驗件，再置放於攝氏二三(正負二)度與相對濕度百分之五〇(正負五)環境中至少四八小時，並於試驗中維持該環境條件。 受驗件應完全浸泡於試驗液中，並保持一分鐘，然後從試驗液取出並立即用乾淨之吸水棉布擦乾。	24.耐化學性試驗 ... 24.2 試驗方法 24.2.1.浸泡試驗 一八〇公釐乘二五公釐之受驗件，數量共四塊。依據24.1所規定，每一種化學品皆應當分別進行試驗；且每一項試驗之受驗件和每一個清洗品皆為全新。 試驗之前，應依據申請者說明文件，清洗乾淨受驗件，再置放於攝氏二三(正負二)度與相對濕度百分之五〇(正負五)環境中至少四八小時，並於試驗中維持該環境條件。 受驗件應完全浸泡於試驗液中，並保持一分鐘，然後從試驗液取出並立即用乾淨之吸水棉布擦乾。 【104 下半年度第二次基準草案(105.2.25)R43 01-S4 版本】

2.33(new)

表一：主要特徵參數

適用位置與範圍 項目	前擋風玻璃				前擋風玻璃以外						表面覆有塑料之安全玻璃	玻璃塑料複合窗玻璃
	膠合玻璃 ⁽¹⁾ (L)	硬性塑料擋風玻璃	膠合硬性塑料擋風玻璃	玻璃塑料複合擋風玻璃	強化玻璃(T)	膠合玻璃(L)	硬性塑料	中空硬性塑料	撓性塑料	膠合硬性塑料		
廠牌	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	對應之強化玻璃或是膠合玻璃要求	◎
材料之化學名稱	---	◎	◎	---	---	---	◎	◎	◎	◎		---
申請者對材料之分類	---	◎	◎	---	---	---	◎	◎	◎	◎		---
製造過程	---	◎	◎	---	---	---	◎	◎	◎	◎		---
形狀和尺寸	◎	◎	◎	◎	---	---	◎	---	◎	◎		---
塑料製品顏色	---	◎	◎	---	---	---	◎	---	◎	◎		---
表面塗層性質	---	◎	◎	---	---	---	◎	◎	◎	◎		---
玻璃層/夾層/多夾層標稱厚度	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎		---
夾層性質和種類	---	---	◎	---	---	◎	---	◎	---	◎		---
玻璃夾層數	◎	---	---	---	---	---	---	---	---	---		---
塑料層數目	---	---	---	◎	---	---	---	---	---	---		---
塑料作為多夾層標稱厚度(如 PVB 或其他材料)和位於內表面之塑料夾層的性質和類型	---	---	---	◎	---	---	---	---	---	---		◎
任一塑料層可能經歷之特殊處理	---	---	◎	---	---	---	---	---	---	◎		---
任何一層或多層玻璃可能經歷任何特殊處理	---	---	---	◎	---	◎	---	---	---	---		◎
強化加工性質(熱處理或化學處理)	---	---	---	---	◎	---	---	---	---	---		---
形狀分類	---	---	---	---	◎	---	---	---	---	---		---

2.34(new)

表二:次要特徵參數

適用位置與範圍 項目	前擋風玻璃				前擋風玻璃以外							
	膠合玻璃 ^{*1} (L)	硬性塑材擋風玻璃	膠合硬性塑材擋風玻璃	玻璃塑材複合擋風玻璃	強化玻璃 (T)	膠合玻璃 (L)	硬性塑材	中空硬性塑材	撓性塑材	膠合硬性塑材	表面覆有塑材之安全玻璃	玻璃塑材複合窗玻璃
有無內置導體	◎	◎	◎	◎	◎	◎	◎	---	---	◎	對應之強化玻璃或是膠合玻璃要求	◎
有無內置遮蔽帶/不透光區	◎	◎	◎	---	---	---	---	---	---	---		---
夾層顏色 (全部或部分) (透明或著色)	---	---	◎	---	---	◎	---	---	---	◎		---
夾層或多夾層 (透明或著色) 的著色 (全部或部分)	◎	---	---	◎	---	---	---	---	---	---		◎
有無加熱元件	◎	---	◎	◎	◎	◎	◎	---	---	◎		◎
材料 (拋光(板)玻璃, 退火玻璃 (Float glass), 平板玻璃)的性質	◎	---	---	◎	◎	◎	---	---	---	---		◎
玻璃顏色	◎	---	---	◎	◎	◎	---	---	---	---	---	

2.35(new)

表三：次要特徵參數之難度指數

<u>適用位置與範圍</u> <u>試驗項目</u>	<u>有無導體</u>	<u>有無遮蔽帶/</u> <u>不透光區</u>	<u>夾層顏</u> <u>色</u>	<u>塑料塗</u> <u>層顏色</u>	<u>有無加熱</u> <u>元件</u>
<u>厚度測定</u>	---	---	---	---	---
<u>破碎試驗</u>	---	---	---	---	---
<u>耐衝擊性試驗</u>	◎	◎	---	---	◎
<u>耐貫穿性試驗</u>	---	---	---	---	---
<u>人頭模型衝擊試驗</u>	---	---	---	---	---
<u>耐磨耗性試驗</u>	---	---	---	---	---
<u>耐熱性試驗</u>	---	---	---	---	---
<u>耐光性試驗</u>	---	---	---	---	---
<u>耐濕性試驗</u>	---	---	---	---	---
<u>可見光透過率試驗</u>	---	---	---	---	---
<u>透視扭曲試驗</u>	---	---	---	---	---
<u>二重像試驗</u>	---	---	---	---	---
<u>撓性試驗</u>	---	---	---	---	---
<u>耐候性試驗</u>	---	---	---	---	---
<u>抗溫變試驗</u>	---	---	◎	◎	---
<u>耐燃性試驗</u>	---	---	---	---	---
<u>耐化學性試驗</u>	---	---	◎	◎	---
<u>橫切試驗</u>	---	---	---	---	---

3.2 修正前

適用位置與範圍 試驗項目	前擋風玻璃			前擋風玻璃以外					
	膠合玻璃*1 (L)	硬性塑材擋風玻璃	膠合硬性塑材擋風玻璃	強化玻璃(T)	膠合玻璃(L)	硬性塑材	中空硬性塑材	撓性塑材	膠合硬性塑材
厚度測定	◎	◎	◎	◎	◎	◎	◎	◎	◎
破碎試驗	---	---	---	◎*2	---	---	---	---	---
耐衝擊性試驗	◎	◎	◎	◎	◎	◎	◎	◎	◎
耐貫穿性試驗	◎	---	◎	---	---	---	---	---	---
人頭模型衝擊試驗	◎	◎	◎	---	---	◎*3	◎*3	---	◎
耐磨耗性試驗	◎	◎ ⁵	◎ ⁵	---	◎	◎*4	◎*4	---	◎*4*5
耐熱性試驗	◎	---	◎	---	◎	---	---	---	◎
耐光性試驗	◎	---	◎	---	◎	---	---	---	◎
耐濕性試驗	◎	◎	◎	---	◎	◎	◎	---	◎
可見光透過率試驗	◎	◎	◎	◎	◎	◎	◎	◎	◎
透視扭曲試驗	◎	◎	◎	---	---	---	---	---	---
二重像試驗	◎	◎	◎	---	---	---	---	---	---
撓性試驗	---	◎	◎	---	---	◎	◎	◎	◎
耐候性試驗	---	◎	◎	---	---	◎	◎	◎	◎
抗溫變試驗	---	---	◎	---	---	---	---	---	---
耐燃性試驗	---	◎	◎	---	---	◎	◎	◎	◎
耐化學性試驗	---	◎	◎	---	---	◎	◎	◎	◎
橫切試驗	---	◎	◎	---	---	◎	◎	---	◎

註1：含塑玻複合材質者(單層玻璃與多層塑膠材質的組合)

註2：若玻璃有特殊處理過以提高強度及調整於碎裂後的破碎狀態者

註3：不會被乘員碰撞到、及無法容納直徑一五〇公釐之圓者得免該項測試

註4：天窗得免該項測試

註5：含塑材玻璃材質者可任選耐磨耗性試驗或者落砂試驗/洗車試驗/雨刷實驗試驗等三項所組成之試驗。

3.2 修正後

適用位置與範圍 試驗項目	前擋風玻璃				前擋風玻璃以外							
	膠合玻璃*1(L)	硬性塑材擋風玻璃	膠合硬性塑材擋風玻璃	<u>玻璃塑材複合擋風玻璃</u>	強化玻璃(T)	膠合玻璃(L)	硬性塑材	中空硬性塑材	撓性塑材	膠合硬性塑材	<u>表面覆有塑材之安全玻璃</u>	<u>玻璃塑材複合窗玻璃</u>
厚度測定	◎	◎	◎	<u>◎</u>	◎	◎	◎	◎	◎	◎	<u>◎</u>	<u>◎</u>
破碎試驗	---	---	---	<u>---</u>	◎*2	---	---	---	---	---	<u>---</u>	<u>---</u>
耐衝擊性試驗	◎	◎	◎	<u>◎</u>	◎	◎	◎	◎	◎	◎	<u>---</u>	<u>◎</u>
耐貫穿性試驗	◎	---	◎	<u>◎</u>	---	---	---	---	---	---	<u>---</u>	<u>---</u>
人頭模型衝擊試驗	◎	◎	◎	<u>◎</u>	---	---	◎*3	◎*3	---	◎	<u>---</u>	<u>---</u>
耐磨耗性試驗	◎	◎ ⁵	◎ ⁵	<u>◎</u>	---	◎	◎*4	◎*4	---	◎*4*5	<u>◎</u>	<u>◎</u>
耐熱性試驗	◎	---	◎	<u>◎</u>	---	◎	---	---	---	◎	<u>---</u>	<u>◎</u>
耐光性試驗	◎	---	◎	<u>◎</u>	---	◎	---	---	---	◎	<u>---</u>	<u>◎</u>
耐濕性試驗	◎	◎	◎	<u>◎</u>	---	◎	◎	◎	---	◎	<u>◎</u>	<u>◎</u>
可見光透過率試驗	◎	◎	◎	<u>◎</u>	◎	◎	◎	◎	◎	◎	<u>---</u>	<u>◎</u>
透視扭曲試驗	◎	◎	◎	<u>◎</u>	---	---	---	---	---	---	<u>---</u>	<u>---</u>
二重像試驗	◎	◎	◎	<u>◎</u>	---	---	---	---	---	---	<u>---</u>	<u>---</u>
撓性試驗	---	◎	◎	<u>---</u>	---	---	◎	◎	◎	◎	<u>---</u>	<u>---</u>
耐候性試驗	---	◎	◎	<u>---</u>	---	---	◎	◎	◎	◎	<u>---</u>	<u>---</u>
抗溫變試驗	---	---	◎	<u>◎</u>	---	---	---	---	---	---	<u>◎</u>	<u>◎</u>

耐燃性試驗	---	◎	◎	◎	---	---	◎	◎	◎	◎	◎	◎
耐化學性試驗	---	◎	◎	◎	---	---	◎	◎	◎	◎	◎	◎
橫切試驗	---	◎	◎	---	---	---	◎	◎	---	◎	---	---

註1：含塑玻複合材質者(單層玻璃與多層塑膠材質的組合)

註2：若玻璃有特殊處理過以提高強度及調整於碎裂後的破碎狀態者

註3：不會被乘員碰撞到、及無法容納直徑一五0公釐之圓者得免該項測試

註4：天窗得免該項測試

註5：含塑材玻璃材質者可任選耐磨耗性試驗或者落砂試驗/洗車試驗/雨刷實驗試驗等三項所組成之試驗。

7.2.1 修正前

分類	<u>試樣</u> 數量/ 首測允許不符 合數	掉落高度(m) 標稱厚度 e(mm)	適用溫度(°C)		
			40±2	-20±2	20±5
前擋風 玻璃	10 / 2	$e \leq 4.5$ $4.5 < e \leq 5.5$ $5.5 < e \leq 6.5$ $6.5 < e$	9 9 9 9	8.5 8.5 8.5 8.5	-
前擋風玻 璃以外	8 / 2	$e \leq 5.5$ $5.5 < e \leq 6.5$ $6.5 < e$	- - -	- - -	9m + 25 - 0mm 9m + 25 - 0mm 9m + 25 - 0mm

7.2.1 修正後

分類	受驗件數量/ 首測允許不符 合數	掉落高度(m) 標稱厚度 e(mm)	適用溫度(°C)		
			40±2	-20±2	20±5
前擋風 玻璃	10 / 2	$e \leq 4.5$ $4.5 < e \leq 5.5$ $5.5 < e \leq 6.5$ $6.5 < e$	9 9 9 9	8.5 8.5 8.5 8.5	-
前擋風玻 璃以外	8 / 2	$e \leq 5.5$ $5.5 < e \leq 6.5$ $6.5 < e$	-	-	9m + 25 - 0mm 9m + 25 - 0mm 9m + 25 - 0mm
玻璃塑材 複合窗玻 璃	8 / 2	$e \leq 3.5$ $3.5 < e \leq 4.5$ $4.5 < e$	=	=	<u>9m + 25 - 0mm</u> <u>9m + 25 - 0mm</u> <u>9m + 25 - 0mm</u>

【9.參考資料如下列資料所示】

	膠合玻璃*1 (L) 擋風玻璃	硬性塑材擋風玻璃	膠合硬性塑 材	玻璃塑材複合 擋風玻璃	膠合硬性塑材擋風玻璃	硬性塑材	中空硬性塑 材
UN 原文 出處	Annex3 3.1.5.1. Test on a flat test piece The flat test piece, having a length of 1,100 + 5/-2 mm and a width of 500 + 5/-2 mm, shall be kept at a constant temperature of	Annex 17 Rigid plastic windscreens	Annex 18 Laminated rigid plastic panes	Annex3 3.1.5.1. Test on a flat test piece The flat test piece, having a length of 1,100 + 5/-2 mm and a width of 500 + 5/-2 mm, shall be kept at	Annex 19 Laminated rigid plastic windscreens	Annex 14 Rigid plastic panes	Annex 16 Rigid plastic multiple glazed units

	20 deg. C +/- 5 deg. C for at least four hours immediately preceding the test. Annex 6 Ordinary laminated-glass windscreens 3. Headform test			a constant temperature of 20 deg. C +/- 5 deg. C for at least four hours immediately preceding the test. Annex 6 Ordinary laminated-glass windscreens 3. Headform test Annex 10 Glass-plastics windscreens 3. Headform test			
	3.2.1. Number of test pieces Four test pieces from the smallest-developed-area series and four samples from the largest-developed-area series selected in accordance with the provisions of Annex 13, shall be tested. 3.2.2.1. The method used shall be that described in Annex 3. paragraph 3.1. 3.2.2.2. The drop height shall be 1.5 m +/-5 mm.	4.2. Number of windscreens Six complete windscreens from the smallest-developed-area series and six complete windscreens from the largest-developed-area series selected in accordance with the provisions of Annex 13, shall be tested. 4.3.2. The drop height shall be 3 m. The HIC value is also to be measured.	4.2. Number of test pieces Six flat test pieces (1,170 mm x 570 mm +/-2 mm) or six complete parts shall be subjected to testing. The table below shows the type of samples subject to testing, in accordance with the dimensions of the glazing to be assessed. 4.3.2. For forward facing panes situated	3.2.1. Number of test pieces Four test pieces from the series having the smallest developed area and four test pieces from the series having the largest developed area, selected in accordance with the provisions of Annex 13, shall be tested. 3.2.2.2. The height of drop shall be	4. Headform test on a complete windscreen 4.1. Indices of difficulty of the secondary characteristics No secondary characteristic is involved. 4.2. Number of windscreens Six complete windscreens from the smallest-developed-area series and six complete windscreens from the largest-developed-area series selected in accordance with the provisions of Annex 13, shall be tested. 4.3.2. The drop height shall be 3 m. The HIC value is also to be measured.	4. Headform test 4.1. Indices of difficulty of the secondary characteristics No secondary characteristic is involved. 4.2. Number of test pieces Six flat test pieces (1,170 mm x 570 + 0/-2 mm) or six complete parts shall be subjected to testing. 4.3.2. For glazing like partitions and separating windows which have impact	4. Headform test 4.1. Indices of difficulty of the secondary characteristics No secondary characteristic is involved. 4.2. Number of test pieces Six representative windows of

			forward to an occupant and which have impact probability (classification XIV/A) the drop height shall be 3 m. The HIC value shall also be measured. 4.3.3. For side windows, back windows with limited impact possibilities (classification XIV / B) and sunroofs the drop height shall be 1.5 m. The HIC value shall be measured.	1.50 m +0/-5 mm.		probability (classification VIII/A) the drop height shall be 3 m. The HIC value is also to be measured. 4.3.3. For glazing like side windows, back windows and sunroofs which have reduced impact possibilities (classification VIII/B) the drop height shall be 1.5 m. The HIC value is also to be measured.	size 1,170 mm x 570 mm (+0/-2 mm in both directions) shall be subjected to testing. The test pieces will have provision for peripheral clamping 4.3.2. For glazing like partitions and separating windows which have high impact probability the drop height shall be 3 m. The HIC value is also to be measured. 4.3.3. For glazing like side windows, back windows and sunroofs which have reduced impact possibilities the drop height shall be 1.5 m. The HIC value is also
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							to be measured.
試驗數量	使用自最小展開面積系列的四塊完整擋風玻璃和使用自最大展開面積系列的四塊完整擋風玻璃。	擋風玻璃受驗件數量：使用自最小展開面積系列的六塊完整擋風玻璃和使用自最大展開面積系列的六塊完整擋風玻璃	使用一一七 0 (正 0，負二) 公釐乘五七 0 (正 0，負二) 公釐之平坦表面受驗件六塊，或製成品六塊。	使用自最小展開面積系列的四塊完整擋風玻璃和使用自最大展開面積系列的四塊完整擋風玻璃。	擋風玻璃受驗件數量：使用自最小展開面積系列的六塊完整擋風玻璃和使用自最大展開面積系列的六塊完整擋風玻璃。	使用一一七 0 (正 0，負二) 公釐乘五七 0 (正 0，負二) 公釐之平坦表面受驗件六塊，或製成品六塊。	使用一一七 0 (正 0，負二) 公釐乘五七 0 (正 0，負二) 公釐之平坦表面受驗件六塊，或製成品六塊。
掉落高度	人頭模型衝擊試驗高度自由落下為1.5公尺正0負五公釐	自三公尺高度自由落下。亦應測量HIC值。	1. 對位於乘員前方且有可能受到衝擊之前向窗玻璃 (XIV/A級)，自由落下之高度為三公尺，亦應測量HIC值。 2. 對於受到衝擊機率較小之側窗、後窗及天窗 (XIV/B級)，自由落下之高度為一・五公尺，亦應測量HIC值。	人頭模型衝擊試驗高度自由落下為1.5公尺正0負五公釐	自三公尺高度自由落下。亦應測量HIC值	1. 對位於乘員前方且有可能受到衝擊之前向窗玻璃 (VIII/A級)，自由落下之高度為三公尺，亦應測量HIC值。 2. 對於受到衝擊機率較小之側窗、後窗及天窗 (VIII/B級)，自由落下之高度為一・五公尺，亦應測量HIC值。	1. 對位於乘員前方且有可能受到衝擊之前向窗玻璃，自由落下之高度為三公尺，亦應測量HIC值。 2. 對於受到衝擊機率較小之側窗、後窗及天窗，自由落下之高度為一・五公尺，亦應測量HIC值。

【13.3.2.3 參考資料如下列資料所示】

	硬性塑材擋風玻璃	膠合硬性塑材	膠合硬性塑材擋風玻璃
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UN 原文出處	Annex 17 Rigid plastic windscreens 6.4.4. After testing the test pieces shall be stored for at least 48 hours at a temperature of 23 deg. C +/- 2 deg. C and a relative humidity of 50 per cent +/- 5 per cent, and then subjected to the 227 g ball drop test, under ambient temperature, described under paragraph 5.3. of this annex. 5.3. Test method 5.3.1. The method used shall be that prescribed in Annex 3, paragraph 2.1. the height of drop shall be 8.5 m at ambient temperature.	Annex 18 Laminated rigid plastic panes 6.4.4. After testing the test pieces shall be stored for at least 48 hours at a temperature of 23 deg. C +/- 2 deg. C and a relative humidity of 50 per cent +/- 5 per cent, and then subjected to the 227 g ball drop test, under ambient temperature and height of drop of 8.5 m, described under paragraph 5.2. of this annex.	Annex 19 Laminated rigid plastic windscreens ... 6.4.4. After testing the test pieces shall be stored for at least 48 hours at a temperature of 23 deg. C +/- 2 deg. C and a relative humidity of 50 per cent +/- 5 per cent, and then subjected to the 227 g ball drop test, under ambient temperature and height of drop of 8.5 m, described under paragraph 5.2. of this annex.
13.3.2.3 中文	試驗後受驗件於室溫中，攝氏二三（正負二）度與相對濕度百分之五〇（正負百分之五）靜置至少四八小時，然後再進行耐衝擊性試驗。其適用環境溫度及落球高度八・五公尺	試驗後受驗件於室溫中，攝氏二三（正負二）度與相對濕度百分之五〇（正負百分之五）靜置至少四八小時，然後再進行耐衝擊性試驗。其適用環境溫度及落球高度八・五公尺	試驗後受驗件於室溫中，攝氏二三（正負二）度與相對濕度百分之五〇（正負百分之五）靜置至少四八小時，然後再進行耐衝擊性試驗。其適用環境溫度及落球高度八・五公尺

【17.1 參考資料如下列資料所示】

	硬性塑材擋風玻璃	膠合硬性塑材擋風玻璃	硬性塑材	中空硬性塑材	撓性塑材	膠合硬性塑材
UN 原文出處	Annex 17 Rigid plastic windscreens 3. Flexibility test ... 3.2. Number of test pieces One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.	Annex 19 Laminated rigid plastic windscreens 3. Flexibility test ... 3.2. Number of test pieces One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.	Annex 14 Rigid plastic panes 3. Flexibility test ... 3.2. Number of test pieces One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.	Rigid plastic multiple glazed units 3. Flexibility test ... 3.2. Number of test pieces One test piece for each component sheet of the window measuring 300 mm x 25 mm	Annex 15 Flexible plastic panes 3. Flexibility test and fold test ... 3.2. Number of test pieces One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.	Annex 18 Laminated rigid plastic panes 3. Flexibility test ... 3.2. Number of test pieces One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.

				shall be subjected to testing.		
中文	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。	受驗件：三 0 0 公釐長、二五公釐寬之受驗件，數量一塊。

【24.2.1.1 參考資料如下列資料所示】

	表面覆有塑材之安全玻璃	玻璃塑材複合擋風玻璃	玻璃塑材複合窗玻璃
UN 原文出處	Annex 9 Safety glazing faced with plastics material (on the inside) ... 6. Test of resistance to chemicals The requirements of Annex 3, paragraph 11.2.1., shall apply.	Annex 10 Glass-plastics windscreens ... 8. Test of resistance to chemicals The requirements of Annex 3, paragraph 11.2.1., shall apply.	Annex 11 Glass-plastics panes 1. Definition of type ... 7. Test of resistance to chemicals The requirements of Annex 3, paragraph 11.2.1., shall apply.
中文	耐化學性試驗，應符合本基準中 24 規定	耐化學性試驗，應符合本基準中 24 規定	耐化學性試驗，應符合本基準中 24 規定

調和 UN 法規，部分檢測基準項目增訂申請者應檢附文件之規定

項次	法規名稱	修訂法規內容	新增之法規項目	頁碼	UN 版本別	內容摘要
1	三之四、車輛燈光與標誌檢驗規定	◎		P.3	UN R48 06-S5 UN R53 01-S16	參考 UN R48 06-S5 及 UN R53 01-S16 版，增訂申請者應檢附文件之規定。
2	三十之二、氣體放電式頭燈	◎		P.11	UN R98 01-S5 UN R113 01-S4	參考 UN R98 01-S5 及 UN R113 01-S4 版，增訂申請者應檢附文件之規定。
3	三十二之二、前霧燈	◎		P.18	UN R19 04-S7	參考 UN R19 04-S7 版，增訂申請者應檢附文件之規定。
4	五十二之二、非氣體放電式頭燈	◎		P.22	UN R5 03 UN R31 03 UN R112 01-S5 UN R113 01-S4	參考 UN R5 03、UN R31 03、UN R112 01-S5 及 UN R113 01-S4 版，增訂申請者應檢附文件之規定。
5	五十九之一、適路性前方照明系統	◎		P.34	UN R123 R2-S6	參考 UN R123 R2-S6 版，增訂申請者應檢附文件之規定。
6	七十三、晝行燈	◎		P.40	UN R87 00-S17	參考 UN R87 00-S17 版，增訂申請者應檢附文件之規定。
7	七十四、LED(發光二極體)光源	◎		P.41	UN R128 00-S3	參考 UN R128 00-S3 版，增訂申請者應檢附文件之規定。
8	二十六之一、安全帶	◎		P.42	UN R16 06-S5	參考 UN R16 06-S5 版，增訂申請者應檢附文件之規定。
9	四十八之二、安全帶固定裝置	◎		P.49	UN R14 07-S6 UN R16 06-S5	參考 UN R14 07-S6、R16 06-S5 版，增訂申請者應檢附文件之規定。
10	四十九之一、座椅強度	◎		P.62	UN R17 08-S3 UN R80 03-S1	參考 UN R17 08-S3、R80 03-S1 版，增訂申請者應檢附文件之規定。
11	五十一之二、門門／鉸鏈(草案)	◎		P.70	UN R11 04	參考 UN R11 04 版，增訂申請者應檢附文件之規定。

項次	法規名稱	修訂法規內容	新增之法規項目	頁碼	UN 版本別	內容摘要
12	二十四之一、機車控制器標誌	◎		P.73	UN R60 00-S4	參考 UN R60 00-S4 版，增訂申請者應檢附文件之規定。
13	四十二之三、動態煞車	◎		P.76	UN R13 11-S12 UN R13H 00-S16 UN R78 03-C2	參考 UN R13 11-S12、UN R13H 00-S16 及 UN R78 03-C2 版，增訂申請者應檢附文件之規定。
14	四十五之二、側方碰撞乘員保護	◎		P.79	UN R95 03-S5	參考 UN R95 03-S5 版，增訂申請者應檢附文件之規定。
15	四十六之二、前方碰撞乘員保護	◎		P.82	UN R94 02-S5	參考 UN R94 02-S5 版，增訂申請者應檢附文件之規定。
16	五十四之二、火災防止規定	◎		P.86	UN R107 06-S1	參考 UN R107 06-S1 版，增訂申請者應檢附文件之規定。
17	六十三之一、低地板大客車規格規定	◎		P.95	UN R107 06-S1	參考 UN R107 06-S1 版，增訂申請者應檢附文件之規定。
18	七十二、緊急煞車輔助系統	◎		P.104	UN R131 00	參考 UN R131 00 版，增訂申請者應檢附文件之規定。

增/修內容	原內容	修訂國內法規條文案	對應國內法規條文
3. Application for approval 3.1. The application for approval of a vehicle type with regard to the installation of its lighting and light-signalling devices shall be submitted by the manufacturer or his duly accredited representative. 3.2. It shall be accompanied by the following documents and particulars in triplicate: 3.2.1. A description of the vehicle type with regard to the items mentioned in paragraphs 2.2.1. to 2.2.4. above, together with the restrictions on loading, particularly the maximum permissible load in the boot; 3.2.2. A list of the devices prescribed by the manufacturer for the lighting and light-signalling assembly. The list may include several types of device for each operation. Each type shall be duly identified (component, type-approval mark, name of manufacturer, etc.), in addition the list may include in respect of each function the additional annotation "or equivalent devices"; 3.2.3. A layout drawing of the lighting and light-signalling equipment as a whole, showing the position of the various devices		三之四、車輛燈光與標誌檢驗規定 ... <u>11.申請者應至少提供一部代表車(或試驗所必要車輛部份)及下列文件予檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>11.1 規定 3.之車輛規格資料，與實車圖示及/或照片。</u> <u>11.2 燈具/標誌/標識等裝置清單。包括每一裝置之功能補充說明。</u> <u>11.3 描述各裝置於實車上安裝位置。</u> <u>11.4 以底盤車代替完成車執行本項全部或部分檢測者，其適用之整車搭配說明。</u> <u>11.5 配合近光光束頭燈垂直方向變化確認之負載狀態所需參數說明。</u> (因調和 R70 新增條文 10.(近光光束頭燈垂直方向變化確認之負載狀態)，故本申請者應檢附文件之規定置於條文 11.)	三之四、車輛燈光與標誌檢驗規定

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
on the vehicle; ... Annex 1 Communication 1. Trade name or mark of the vehicle: 2. Manufacturer's name for the type of vehicle: ... 3. Manufacturer's name and address: ... 4. If applicable, name and address of the manufacturer's representative: 5. Submitted for approval on: 6. Technical Service responsible for conducting approval tests: .. 7. Date of test report: ... 8. Number of test report: .. 9. Concise description: Lighting and light-signalling devices on the vehicle: 9.1. Main-beam headlamps: yes/no2 ... 9.2. Dipped-beam headlamps: yes/no2 ... 9.3. Front-fog lamps: yes/no2 9.4. Reversing lamps: yes/no2 9.5. Front direction-indicators: yes/no2 .. 9.6. Rear direction-indicators: yes/no2 ... 9.7. Side direction-indicators: yes/no2 .. 9.8. Hazard warning signal: yes/no2 .. 9.9. Stop-lamps: yes/no2 ... 9.10. Rear registration plate			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
illuminating device: yes/no2 9.11. Front position lamps: yes/no2 ... 9.12. Rear position lamps: yes/no2 ... 9.13. Rear fog-lamps: yes/no2 9.14. Parking lamps: yes/ no2 ... 9.15. End-outline marker lamps: yes/no2 . 9.16. Rear retro-reflectors, non-triangular: yes/no2 .. 9.17. Rear retro-reflectors, triangular: yes/no2 .. 9.18. Front retro-reflectors, non-triangular: yes/no2 .. 9.19. Side retro-reflectors, non-triangular: yes/no2 . 9.20. Side marker lamps: yes/no2 ... 9.21. Daytime running lamps: yes/no2 .. 9.22. Adaptive front lighting system (AFS): yes/no2 . 9.23. Cornering lamps: yes/no2 .. 9.24. Conspicuity markings: 9.24.1. Full contour markings: Rear yes/no2 Side yes/no2 9.24.2. Partial contour markings: Rear yes/no2 Side yes/no2 9.24.3. Line markings: Rear yes/no2 Side yes/no2			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
9.24.4. Exemption regarding conspicuity marking according to paragraph 6.21.1.2.5. Rear yes/no2 Comments: .. Side yes/no2 Comments .. 9.25. Emergency stop signal: yes/no2 9.26. Manoeuvring lamps: yes/no2 ... 9.27. Exterior courtesy lamps: yes/no2 9.28. Equivalent lamps: yes/no2 9.29. Maximum permissible load in the boot: .. 10. Comments: 10.1. Any comments on movable components: .. 10.2. Method used for the definition of the apparent surface: (a) Boundary of the illuminating surface2 or (b) Light-emitting surface2 10.3. Other comments (valid for right-hand or left-hand drive vehicles): .. 10.4. Comments concerning AFS (according to paragraphs 3.2.6. and 6.22.7.4. of this Regulation): .. 10.5. Comments regarding the extent of coverage of the conspicuity marking if it is less than the minimum value of 70 per cent required by paragraphs 6.21.4.1.2. and			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
6.21.4.2.2. of the Regulation. 10.6. For vehicles of M and N categories comments regarding the electrical supply conditions (according to paragraphs 3.2.7 and 5.27 of this Regulation). 10.7. Comments regarding conspicuity marking (according to paragraphs 6.21.1.2.5. and 6.21.4.3.1. of this Regulation) 10.8. Comments regarding conspicuity marking (Incomplete vehicle or Complete Vehicles according to paragraphs 6.21.1.2.1. and 6.21.1.2.1.1.): ... Incomplete vehicles: yes/no² Complete vehicles: yes/no² Completed vehicles: yes/no² 11. Position of the approval mark: ... 12. Reason(s) for extension (if applicable): ... 13. Approval granted/extended/refused/withdrawn² 14. Place: ... 15. Date: ... 16. Signature: 17. The following documents, bearing the approval number shown above, are available on request: .. R53 01-S16 3. Application for approval			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.1. The application for approval of a vehicle type with regard to the installation of its lighting and light-signalling devices shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the undermentioned documents in triplicate and the following particulars: 3.2.1. A description of the vehicle type with regard to the items mentioned in paragraphs 2.2.1. to 2.2.3. above; the vehicle type duly identified shall be specified; 3.2.2. A list of the devices intended by the manufacturer to form the lighting and lightsignalling equipment; the list may include several types of device for each function; each type shall be duly identified (national or international approval mark, if approved, name of manufacturer, etc.); in addition, the list may include in respect of each function the additional annotation "or equivalent devices"; 3.2.3. A layout drawing of the lighting and light-signalling installation as a whole, showing the position of the various devices on the vehicle; and 3.2.4. If necessary, in order to verify the conformity to the prescriptions of the			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
present regulation, a layout drawing or drawings of each lamp showing the illuminating surface, as defined in paragraph 2.7.1. above, the light-emitting surface as defined in paragraph 2.6. above, the axis of reference as defined in paragraph 2.9. above and the centre of reference as defined in paragraph 2.10. above. This information is not necessary in the case of the rear registration plate lamp (paragraph 2.5.10. above). 3.2.5. The application shall include a statement of the method used for the definition of the apparent surface (paragraph 2.8. above). ... Annex 1 Communication 1. Trade name or mark of the vehicle:... 2. Manufacturer's name for the type of vehicle: .. 3. Manufacturer's name and address: .. 4. If applicable, name and address of the manufacturer's representative: .. 5. Submitted for approval on: .. 6. Technical Service responsible for conducting approval tests: 7. Date of test report: .. 8. Number of test report: ..			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
9. Concise description: Lighting devices on the vehicle: 9.1. Driving lamps: yes/no ² 9.2. Passing lamps: yes/no ² 9.3. Front fog lamps: yes/no ² 9.4. - 9.5. Direction indicators: yes/no ² 9.6. - 9.7. Repeating side direction indicators: yes/no ² 9.8. Hazard warning signal: yes/no ² 9.9. Stop lamps: yes/no ² 9.10. Rear-registration-plate illuminating device: yes/no ² 9.11. Front position (side) lamps: yes/no ² 9.12. Rear position (side) lamps: yes/no ² 9.13. Rear fog lamps: yes/no ² 9.14. - 9.15. - 9.16. Rear retro-reflectors, non-triangular: yes/no ² 9.17. - 9.18. - 9.19. Side retro-reflectors, non-triangular: yes/no ² 9.20. Equivalent lamps: yes/no ² 10. Any comments: ... 11. Masses as declared by the manufacturer ³ 11.1. Mass in running order:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Total mass: kg Mass on the front wheel: kg Mass on the rear wheel: kg 11.2. Gross vehicle mass: Total mass: kg Mass on the front wheel: kg Mass on the rear wheel: kg 12. Position of the approval mark: ... 13. Reason(s) for extension (if applicable): ... 14. Approval granted/refused/extended/withdrawn:2 15. Place: ... 16. Date: ... 17. Signature: 18. The list of documents deposited with the Type Approval Authority which has granted the approval is annexed to this communication and may be obtained upon request.			

UN R98 01-S5、R113 01-S4

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R98 01-S5			
Application for approval of a headlamp 2.2. Every application shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type		三十之二、氣體放電式頭燈 ... 12.申請者應至少提供規定所需受驗 件及下列文件予檢測機構，確認受 驗件與文件內容一致，且由檢測機	三十之二、氣體放電式頭燈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
(see paragraphs 3.2. and 4.2. below). The drawings must show the position intended for the approval number and the additional symbols in relation to the circle of the approval mark, in case of LED module(s) also the space reserved for the specific identification code(s) of the module(s), and must show the headlamp in vertical (axial) section and in front elevation, with main details of the optical design including the flutings, if applicable. 2.2.2. A brief technical specification including, where it applies, the make and type of the ballast(s) and, in the case where the headlamp is used to produce bend lighting, the extreme positions according to paragraph 6.2.7. below. In the case of LED module(s) this shall include: (a) A brief technical specification of the LED module(s); (b) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux. ... Annex 1 1. Trade name or mark of the headlamp or distributed lighting system:... 2. Manufacturer's name for the type of device or system:...		<u>構保存該文件紀錄備查。</u> <u>12.1 非屬類型E對稱光型頭燈者</u> <u>12.1.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>12.1.2 頭燈垂直(軸)剖面圖與前視圖，包括光學設計之主要細目，例如凹槽(Fluting)等。</u> <u>(a)具 LED 模組者，其 LED 光源模組之特定識別碼預留位置。</u> <u>12.1.3 技術規格說明</u> <u>12.1.3.1 安定器之廠牌與型式系列。</u> <u>12.1.3.2 轉彎光型之極限位置。</u> <u>12.1.4 具 LED 模組者</u> <u>(a)LED 模組之技術規格說明。</u> <u>(b)尺寸詳圖，包括基本電力值、光度值及目標光通量。</u> <u>(c)LED 光源模組之特定識別碼。</u> <u>12.1.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u> <u>12.1.6 額定電壓。</u> <u>12.1.7 明暗截止線確認之設定距離(一〇公尺或二五公尺)。</u> <u>12.1.8 明暗截止線最小清晰狀態確認之設定距離(一〇公尺或二五公尺)。</u> <u>12.1.9 各式光源數量。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3. Manufacturer's name and address: ... 4. If applicable, name and address of the manufacturer's representative: . 5. Submitted for approval on:.. 6. Technical Service responsible for conducting approval tests: ... 7. Date of test report:... 8. Number of test report: 9. Brief description: 9.1. Headlamp/system submitted for approval as type3: .. 9.2. The passing beam light source may/may not2 be lit simultaneously with the driving beam light source and/or another reciprocally incorporated headlamp. 9.3. The rated voltage of the device is:.... 9.4. Category (or categories) of light source(s)4: 9.5. Trade name and identification number of separate ballast(s) or part(s) of ballast(s):.. 9.6. The adjustment of the "cut-off" has been determined at 10 m/25 m 2. The determination of the minimum sharpness of the "cut-off" has been carried out at 10 m/25 m 2. 9.7. Number and specific identification code(s) of LED module(s): 9.8. Distributed lighting system with one common gas-discharge light source:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Yes/No2 9.9. Remarks (if any):..... 9.10. Measures according to paragraph 5.4. of this Regulation: .. 10. Approval mark position:.... 11. Reason(s) for extension of approval:..... 12.Approval granted/extended/refused/withdrawn2: 13. Place: . 14. Date: ... 15. Signature:..... 16. The list of documents deposited with the Administration Service which has granted approval is annexed to this communication and may be obtained on request.			
R113 01-S4			
2. Application for approval of a headlamp 2.2. Every application for approval shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type and representing a frontal view of the headlamp, with details of lens ribbing if any, and the cross-section; the drawings shall indicate the space reserved for the approval mark and, if applicable, (a) In the case of LED module(s), the drawings shall indicate the space(s) reserved for the specific identification		<u>12.2 類型E對稱光型頭燈者</u> <u>12.2.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>12.2.2 頭燈之前視圖(包括透鏡稜紋(Lens ribbing))及剖面圖。</u> <u>(a)具 LED 模組者，其 LED 光源模組之特定識別碼預留位置。</u> <u>(b)具額外照明單元者，其於額外照明單元及主要近光光束頭燈上特定識別碼預留位置。</u> <u>(c)具額外照明單元者，其安裝之幾何要求。</u> <u>12.2.3 簡要之技術說明</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
code(s) of the module(s); (b) In the case of additional lighting unit(s), the space(s) reserved for the specific identification code(s) on the additional lighting unit(s) and the headlamp(s) producing the principal passing beam; (c) In the case of additional lighting unit(s), the geometrical conditions of installation of the device(s) that meet the requirements of paragraph 6.2.8. 2.2.2. A brief technical description including: 2.2.2.1. For gas discharge lamps, the make and type of the ballast(s) in the case that the ballast(s) is (are) not integrated with the light source(s); 2.2.2.2. In the case of LED module(s), (a) A brief technical specification of the LED module(s); (b) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux and for each LED module a statement whether it is replaceable or not; (c) In case of electronic light source control gear, information on the electrical interface necessary for approval testing; 2.2.2.3. In the case of a headlamp designed to provide bend lighting, the minimum bank angle(s) to satisfy the requirement of		<u>12.2.3.1 對於非整合光源與安定器者，安定器之廠牌與型式系列。</u> <u>12.2.3.2 具 LED 模組者</u> <u>(a)LED 模組之技術規格說明。</u> <u>(b)尺寸詳圖，包括基本電力值、光度值、目標光通量及每一個 LED 模組是否為可更換式。</u> <u>(c)具電子式光源控制器者，其電力連接說明。</u> <u>(d)具轉彎光型者，最小傾角。</u> <u>12.2.4 各式光源數量。</u> <u>12.2.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u> <u>12.2.6 明暗截止線最小清晰狀態確認之設定距離(一〇公尺或二五公尺)。</u> <u>12.2.7 主要遠光光束/次要遠光光束。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
paragraph 6.2.8.1. ... Annex 1 Communication 1. Trade name or mark of the vehicle: 2. Manufacturer's name for the type of vehicle: 3. Manufacturer's name and address: ... 4. If applicable, name and address of manufacturer's representative: .. 5. Submitted for approval on: ... 6. Technical Service responsible for conducting approval tests: ... 7. Date of report issued by that service: 8. Number of report issued by that service: 9. Brief description: Category as described by the relevant marking:3 ... Number and category(ies) of filament lamp(s), if any: . Number and category(ies) of gas-discharge light source, if any: .. Number and specific identification code(s) of LED modules and for each LED module statement whether it is replaceable or not: (yes/no)2 Number and specific identification code(s) of electronic light source control gear(s), if any: ..			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Number and specific identification code(s) of additional lighting unit(s) and for each LED module a statement whether it is replaceable or not, if any: The determination of "cut-off" sharpness yes/no2 If yes, it was carried out at 10 m / 25 m2 Trade name and identification number of separate ballast(s) or part(s) of ballast(s): . The passing-beam light source may/may not2 be lit simultaneously with the drivingbeam light source and/or another reciprocally incorporated headlamp. The minimum bank angle(s) to satisfy the requirement of paragraph 6.2.8.1., if any 9.1. Primary driving beam: yes / no2 Secondary driving beam: yes / no2 The secondary driving beam shall only be operated together with a passing beam or a primary driving beam. 10. Approval mark position: 11. Reason(s) for extension of approval: 12. Approval granted/extended/refused/withdrawn2: ... 13. Place: .. 14. Date: ... 15. Signature: .. 16. The list of documents deposited with the Type Approval Authority which has			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
granted approval is annexed to this communication and may be obtained on request.			

UN R19 04-S7

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R19 04-S7			
2. Application for approval 2.2. The application relating to each type of front fog lamp shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type and representing a frontal view of the front fog lamp, with the relevant details of the optical components if any, and the cross-section; the drawings shall indicate the space reserved for the approval mark. 2.2.1.1. If the front fog lamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the front fog lamp in relation to the ground and the longitudinal median plane of the vehicle, if the front fog lamp is for use in that (those) position(s) only. ... 2.4. In case of Class F3 front fog lamps: 2.4.1. A brief technical specification including the category of the light source(s)		三十二之二、前霧燈 ... 11.申請者應至少提供規定所需受驗件及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。 11.1 規定3.之規格資料，與受驗件圖示及/或照片。 11.2 前視圖、光學組件(依實際裝設狀況)詳圖及剖面圖。 11.2.1 具可調式反射鏡者，提供其調整位置說明。(申請者應以前霧燈實車安裝狀態為位置參考資料之依據)。 11.3 F3 類前霧燈 11.3.1 具 LED 模組者，模組之特定識別碼/廠牌及其預留位置之圖面說明。 11.3.2 安定器及/或光源控制器(依實際狀況)之廠牌與型式系列。 11.3.2.1 適路性前霧燈者，可變光強	三十二之二、前霧燈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
used; this (these) light source category(ies) shall be listed in Regulation No. 37 or Regulation No. 99 and their series of amendments in force at the time of application for type approval, even if the light source cannot be replaced. 2.4.2. In the case of LED module(s), the specific identification code of the module shall be stated. The drawing shall contain sufficient details to identify it and the position intended for the specific identification code and the trademark of the applicant. 2.4.3. The make and types of the ballast(s) and /or the light source control gear, where applicable, shall be specified: 2.4.3.1. In the case of an adaptive front fog lamp, a concise description of the variable intensity control. 2.4.3.2. In case of the use of a light source control gear not being part of the device, the voltage(s) with tolerances or the total voltage range at the terminals to that light source control gear. 2.4.4. If the front fog lamp is fitted with LED module(s), a brief technical specification shall be provided. This information shall include the part number assigned by the light source manufacturer, a drawing with		<u>度控制器之技術規格說明。</u> <u>11.3.2.2 具光源控制器者，其輸入電壓；若其非屬燈具本體一部分，則為光源控制器端電壓(含公差)或總電壓範圍說明。</u> <u>11.3.3 具LED模組者，簡要之技術規格說明，包括零件編號、尺寸圖(包括基本電力值和光度值)、符合規定10.6之紫外線輻射之光源說明，以及規定11.6之相關試驗報告與目標光通量。</u> <u>11.4 發光顏色。</u> <u>11.5 明暗截止線確認之設定距離(一〇公尺或二五公尺)。</u> <u>11.6 總光通量大於二〇〇〇流明或未逾二〇〇〇流明說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
dimensions and the basic electrical and photometric values, an indication whether the light source complies with the UV-radiation requirements of paragraph 4.6. of Annex 12 to this Regulation, an official test report related to paragraph 5.8. of this Regulation and the objective luminous flux. ... Annex 1 Communication 1. Trade name or mark of the device: 2. Type of the device: 3. Manufacturer's name for the type of device: 4. Manufacturer's name and address: 5. If applicable, name and address of the manufacturer's representative: ... 6. Submitted for approval on: 7. Technical Service responsible for conducting approval tests: 8. Date of report issued by that Service: . 9. Number of report issued by that Service: 10. Concise description:... 10.1. Class as described by the relevant marking: (B, B/, BPL, B/PL, F3, F3, F3/, F3PL, F3/PL) 10.2. Number and category(ies) of filament			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
lamp(s): 10.3. LED module: yes/no2 10.4. Light generator: yes/no2 10.5. LED module or light generator specific identification code: 10.6. Application of electronic light source control gear:3 yes/no2 Supply to the light source: Specification of the light source control gear: Input voltage:4 In the case of an electronic light source control gear not being part of the lamp: Output signal specification: 10.7. Colour of light emitted: white/selective yellow2 10.8. Luminous flux of the light source (see paragraph 5.9.) greater than 2,000 lumens: . yes/no2 10.9. Luminous intensity is variable: yes/no2 10.10. The determination of the cut-off gradient (if measured) was carried out at 10 m / 25 m 2 11. Position of the approval mark: 12. Reason(s) for extension (if applicable): ... 13. Approval granted/extended/refused/ withdrawn2 14. Place:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
15. Date: 16. Signature:.... 17. The list of documents deposited with the Type Approval Authority, which has granted approval, is annexed to this communication and may be obtained on request			

UN R5 SEALED BEAM HEADLAMPS 03 2014/06/26 封閉式頭燈

UN R31 HALOGEN SEALED BEAM HEADLAMPS 03 0214/06/26 封閉式鹵素頭燈

UN R112 HEADLAMPS (WITH AN ASYMMETRICAL PASSING BEAM) 01-S5 2015/06/22 非對稱光型頭燈

UN R113 HEADLAMPS (WITH A SYMMETRICAL PASSING BEAM) 01-S4 2015/06/22 對稱光型頭燈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R5 03			
3.2. Every application for approval shall be accompanied by: 3.2.1. Drawings in triplicate, sufficiently detailed to permit identification of the type and giving a front view of the unit (with, if applicable, details of the lens moulding) and a cross-section; also the filament(s) and shield(s) shall be shown on the drawings at a scale of 2 : 1 both in front view and in side view; the drawing shall show the position intended for the approval number and the additional symbols in relation to the circle of the approval mark;		五十二之二、非氣體放電式頭燈 ... <u>14.申請者應至少提供規定所需受驗件及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>14.1 封閉式頭燈</u> <u>14.1.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>14.1.2 前視圖(依透鏡模製實際狀況之詳圖)及剖面圖；依比例 2:1 圖示燈泡與護罩(Shield)於前視圖及側視圖。</u>	五十二之二、非氣體放電式頭燈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.2.2. Brief technical description; 3.2.3. Samples as follows: 3.2.3.1. For approval of an SB unit to emit white light: five samples; 3.2.3.2. For approval of a unit to emit coloured light: one coloured-light sample, and five white light samples differing from the type submitted only in that the lens or filter is not coloured. 3.2.3.3. In the case of SB units differing only in that they are designed to emit coloured light from a type designed to emit white light and which has previously satisfied the tests in paragraphs 6., 7. and 8. below, it will be sufficient to submit one sample of the coloured light type to undergo only the tests given in paragraph 9. of this Regulation. 3.2.4. For the test of plastic material of which the lenses are made: ... Annex 2 Communication 1. SB unit submitted for approval as type3 ... Rated voltage Rated wattage 2. The passing lamp filament may/may not be lit simultaneously with the driving lamp filament and/or another reciprocally		<u>14.1.3 簡要之技術說明。</u> <u>14.1.4 額定電壓與額定功率。</u> <u>14.1.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u> (因 104 年上半年度報部草案新增條文 13.(對稱光型頭燈配光穩定性試驗操作各期間概述)，故本申請者應檢附文件之規定置於條文 14.)	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
incorporated lamp 3. Trade name or mark ... 4. Manufacturer's name and address ... 5. If applicable, name and address of manufacturer's representative ... 6. Submitted for approval on 7. Technical Service responsible for conducting approval tests ... 8. Date of report issued by that Service ... 9. Number of report issued by that Service 10. Approval granted/refused/extended/withdrawn2 11. Reason(s) of extension (if applicable) 12. Maximum intensity (in lux) of the driving beam at 25 m from the unit 13. Test laboratory 14. Date and number of laboratory report .. 15. Date of extension of the approval ... 16. Place 17. Date 18. Signature 19. The attached drawing, No. shows the unit in front view (with, if applicable, details of the lens moulding) and a cross-section.			
R31 03			
3.2. Every application for approval shall be accompanied by:		14.2 封閉式鹵素頭燈 14.2.1 規定 3.之規格資料，與受驗件	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.2.1. drawings in triplicate, sufficiently detailed to permit identification of the type and giving a front view of the HSB unit (with, if applicable, details of the lens moulding) and a cross-section; also the filament(s) and shield(s) shall be shown on the drawings at a scale of 2:1 both in front view and in side view; the drawing shall show the position intended for the approval number and the additional symbols in relation to the circle of the approval mark; 3.2.2. A brief technical description; 3.2.3. Samples as follows: 3.2.3.1. For approval of an HSB unit emitting uncoloured light: five samples; 3.2.3.2. For approval of an HSB unit emitting coloured light: two coloured-light samples and five uncoloured-light samples of the same type, differing from the type submitted, only in that the lens or filter is not coloured; 3.2.3.3. In the case of HSB units which emit coloured light, which differ from uncoloured-light units only in the colour of light emitted and which have already satisfied the requirements of paragraphs 6., 7. and 8. below, it will be sufficient to submit only one sample of a coloured-light unit to undergo the tests described in		<u>圖示及/或照片。</u> <u>14.2.2 前視圖(依透鏡模製實際狀況之詳圖)及剖面圖，依比例 2:1 圖示燈泡與護罩於前視圖及側視圖。</u> <u>14.2.3 簡要之技術說明。</u> <u>14.2.4 額定電壓與額定功率。</u> <u>14.2.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
paragraph 9. below. 3.2.4. For the test of plastic material of which the lenses are made: 3.2.4.1. Thirteen lenses. 3.2.4.1.1. Six of these lenses may be replaced by six samples of material at least 60 x 80 mm in size, having a flat or convex outer surface and a substantially flat area (radius of curvature not less than 300 mm) in the middle measuring at least 15 x 15 mm. 3.2.4.1.2. Every such lens or sample of material shall be produced by the method to be used in mass production, 3.2.4.2. A reflector to which the lenses can be fitted in accordance with the manufacturer's instructions. ... Annex 1 Communication 1. HSB unit submitted for approval as type3 ... Rated voltage Rated wattage 2. The passing lamp filament may/may not2 be lit simultaneously with the driving lamp filament and/or another reciprocally incorporated lamp 3. Trade name or mark ... 4. Manufacturer's name and address			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
5. If applicable, name and address of manufacturer's representative ... 6. Submitted for approval on 7. Technical Service responsible for conducting approval tests 8. Date of report issued by that Service 9. Number of report issued by that Service 10. Approval granted/refused/extended/withdrawn2 11. Reason(s) of extension (if applicable) 12. Maximum illumination (in lux) of the driving beam at 25 m from the HSB unit... (average for 5 units) 13. Place 14. Date 15. Signature 16. The attached drawing, No. shows the unit.			
R112 01-S5			
2. Application for approval of a headlamp 2.2. Every application for approval shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type and representing a frontal view of the headlamp, with details of lens ribbing if any, and the cross section. The drawings		<u>14.3 非對稱光型頭燈</u> <u>14.3.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>14.3.2 前視圖(包括透鏡稜紋(Lens ribbing))及剖面圖。</u> <u>14.3.2.1 具可調式反射鏡者，提供其調整位置說明。(申請者應以頭燈實車安裝狀態為位置參考資料之依</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
shall indicate the space(s) reserved for the approval mark and in case of LED module(s) also the space reserved for the specific identification code(s) of the module(s); 2.2.1.1. If the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only; 2.2.2. A brief technical description including, in the case where headlamps are used to produce bend lighting, the extreme positions according to paragraph 6.2.7. below. In the case of LED module(s) this shall include: (a) A brief technical specification of the LED module(s); (b) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux and for each LED module a statement whether it is replaceable or not; (c) In case of electronic light source control gear, information on the electrical interface necessary for approval testing; 2.2.3. Two samples of each type of		<u>據)。</u> <u>14.3.3 簡要之技術說明</u> <u>14.3.3.1 具轉彎光型者，其極限位置。</u> <u>14.3.3.2 具 LED 模組者</u> <u>(a)LED 模組之技術規格說明。</u> <u>(b)尺寸詳圖，包括基本電力值、光度值、目標光通量及每一個 LED 模組是否為可更換式。</u> <u>(c)具電子式光源控制器者，其電力連接說明。</u> <u>14.3.4 各式光源數量。</u> <u>14.3.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u> <u>14.3.6 明暗截止線確認之設定距離(一〇公尺或二五公尺)。</u> <u>14.3.7 主要近光光束作動電壓。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
headlamp, one sample intended for the installation on the left side of the vehicle and one sample intended for the installation of the right side of the vehicle. ... Annex 1 Communication 1. Trade name or mark of the device: 2. Manufacturer's name for the type of device: 3. Manufacturer's name and address: 4. If applicable, name and address of manufacturer's representative: ... 5. Submitted for approval on: 6. Technical Service responsible for conducting approval tests: . 7. Date of report issued by that Service: ... 8. Number of report issued by that Service: ... 9. Brief description: Category as described by the relevant marking³: ... Number and category(s) of filament lamp(s): Reference luminous flux used for the principal passing-beam (lm): . Principal passing-beam operated at approximately (V): Measures according to paragraph 5.8. of this Regulation:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not: yes/no ² Number and specific identification code(s) of electronic light source control gear(s) Total objective luminous flux as described in paragraph 5.9. exceeds 2,000 lumens: yes/no/does not apply ² The adjustment of the cut-off has been determined at: 10 m/25 m/does not apply ² The determination of the minimum sharpness of the "cut-off" has been carried out at: 10 m/25 m/does not apply ² 10. Approval mark position: 11. Reason(s) for extension of approval: 12. Approval granted/extended/refused//withdrawn ² 13. Place: 14. Date: 15. Signature:			
R113 01-S4			
2. Application for approval of a headlamp 2.2. Every application for approval shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type and representing a frontal view of the headlamp, with details of lens ribbing if		<u>14.4 對稱光型頭燈</u> <u>14.4.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>14.4.2 頭燈之前視圖(包括透鏡稜紋(Lens ribbing))及剖面圖。</u> <u>(a)具 LED 模組者，其 LED 光源模組之特定識別碼預留位置。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
any, and the cross-section; the drawings shall indicate the space reserved for the approval mark and, if applicable, (a) In the case of LED module(s), the drawings shall indicate the space(s) reserved for the specific identification code(s) of the module(s); (b) In the case of additional lighting unit(s), the space(s) reserved for the specific identification code(s) on the additional lighting unit(s) and the headlamp(s) producing the principal passing beam; (c) In the case of additional lighting unit(s), the geometrical conditions of installation of the device(s) that meet the requirements of paragraph 6.2.8. 2.2.2. A brief technical description including: 2.2.2.1. For gas discharge lamps, the make and type of the ballast(s) in the case that the ballast(s) is (are) not integrated with the light source(s); 2.2.2.2. In the case of LED module(s), (a) A brief technical specification of the LED module(s); (b) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux and for each LED module a statement whether it is replaceable or not;		<u>(b)具額外照明單元者，其於額外照明單元及主要近光光束頭燈上特定識別碼預留位置。</u> <u>(c)具額外照明單元者，其安裝之幾何要求。</u> <u>14.4.3 簡要之技術說明。</u> <u>14.4.3.1 對於非整合光源與安定器者，安定器之廠牌與型式系列。</u> <u>14.4.3.2 具LED模組者</u> <u>(a)LED模組之技術規格說明。</u> <u>(b)尺寸詳圖，包括基本電力值、光度值、目標光通量及每一個LED模組是否為可更換式。</u> <u>(c)具電子式光源控制器者，其電力連接說明。</u> <u>(d)具轉彎光型者，最小傾角。</u> <u>14.4.4 各式光源數量。</u> <u>14.4.5 近光光束與遠光光束及/或其光學組成之其他頭燈是否可同時點亮之說明。</u> <u>14.4.6 明暗截止線最小清晰狀態確認之設定距離(一〇公尺或二五公尺)。</u> <u>14.4.7 主要遠光光束/次要遠光光束。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
(c) In case of electronic light source control gear, information on the electrical interface necessary for approval testing; 2.2.2.3. In the case of a headlamp designed to provide bend lighting, the minimum bank angle(s) to satisfy the requirement of paragraph 6.2.8.1. ... Annex 1 Communication 1. Trade name or mark of the vehicle: 2. Manufacturer's name for the type of vehicle: 3. Manufacturer's name and address: ... 4. If applicable, name and address of manufacturer's representative: .. 5. Submitted for approval on: ... 6. Technical Service responsible for conducting approval tests: ... 7. Date of report issued by that service: 8. Number of report issued by that service: 9. Brief description: Category as described by the relevant marking:3 ... Number and category(ies) of filament lamp(s), if any: . Number and category(ies) of gas-discharge light source, if any: .. Number and specific identification code(s) of			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
LED modules and for each LED module statement whether it is replaceable or not: (yes/no)² Number and specific identification code(s) of electronic light source control gear(s), if any: .. Number and specific identification code(s) of additional lighting unit(s) and for each LED module a statement whether it is replaceable or not, if any: The determination of "cut-off" sharpness yes/no² If yes, it was carried out at 10 m / 25 m² Trade name and identification number of separate ballast(s) or part(s) of ballast(s): . The passing-beam light source may/may not² be lit simultaneously with the drivingbeam light source and/or another reciprocally incorporated headlamp. The minimum bank angle(s) to satisfy the requirement of paragraph 6.2.8.1., if any 9.1. Primary driving beam: yes / no² Secondary driving beam: yes / no² The secondary driving beam shall only be operated together with a passing beam or a primary driving beam. 10. Approval mark position: 11. Reason(s) for extension of approval: 12. Approval granted/extended/refused/			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
withdrawn2: ... 13. Place: .. 14. Date: ... 15. Signature: .. 16. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.			

UN R123 R2-S6

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R123 R2-S6			
2. Application for approval of a system 2.2. Every application for approval shall be accompanied by: 2.2.1. Drawings in triplicate in sufficient detail to permit identification of the type, showing the position(s) intended for the approval number(s) and the additional symbols in relation to the circle(s) of the approval mark(s), and showing in what geometrical position the lighting units are to be mounted on the vehicle in relation to ground and vehicle longitudinal median plane, and showing each of them in vertical (axial) section and in front elevation, with main details of the optical design including		五十九之一、適路性前方照明系統 ... <u>12.申請者應至少提供規定所需受驗件及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>12.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>12.2 車輛照明元件於其安裝位置時，與地面及車輛縱軸中心面間之相對位置。每個照明元件垂直(軸)剖面圖與前視圖，包括光學設計之主要細目，例如試驗之參考軸及要選取之基準中心點。</u> <u>12.3 系統之簡要技術說明</u>	五十九之一、適路性前方照明系統

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
the axis/axes of reference and the point(s) to be taken as centre(s) of reference in the tests and any optical features, of the lens, if applicable; If applicable and in case of LED module(s) also the space(s) reserved for the specific identification code(s) of the module(s); 2.2.2. A concise technical description of the system specifying: (a) The lighting function(s) and their modes to be provided by the system;³ (b) The lighting units contributing to each of them³ and the signals⁴ with the technical characteristics relevant to their operation; (c) Which categories³ of the bending mode requirements apply, if any; (d) Which additional data set(s) of Class E passing-beam provisions according to Table 6 of Annex 3 to this Regulation apply, if any; (e) Which set(s) of Class W passing-beam provisions according to Annex 3 to this Regulation apply, if any; (f) Which lighting units⁴ provide or contribute to one or more passing-beam cutoff(s); (g) The indication(s)³ according to the provisions of paragraph 6.4.6. of this Regulation with respect to the paragraphs		<u>12.3.1 照明功能及模式；</u> <u>12.3.2 構成每個系統之照明元件及其作動相關技術特性之訊號；</u> <u>12.3.3 轉彎光型模式 (依實際安裝狀況)；</u> <u>12.3.4 類型 E 近光光束之額外數據 (依實際安裝狀況)；</u> <u>12.3.5 類型 W 近光光束之數據(依實際安裝狀況)；</u> <u>12.3.6 發出一條或多條近光光束明暗截止線之照明元件；</u> <u>12.3.7 符合本項條文 5.3.6 規定(應宣告符合明暗截止線規定之照明單元)與車輛安全檢測基準「車輛燈光與標誌檢驗規定」之各個會有明暗截止線之光束說明。</u> <u>12.3.8 用於符合本項條文 5.1.7.1 要求 (系統之任一側，任何特定近光光束模式提供至少二五 0 0 燭光於點 50V。但段位 V 近光光束除外)，提供最小近光光束照度之照明元件設計說明；</u> <u>12.3.9 試驗之安裝及操作規範；</u> <u>12.3.10 任何相關資訊；</u> <u>12.3.11 具 LED 模組者：</u> <u>(a)LED 模組之技術規格說明。</u> <u>(b)尺寸詳圖，包括基本電力值、光度值、目標光通量及每一個 LED 模組</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
6.22.6.1.2.1. of Regulation No. 48; (h) Which lighting units are designed to provide the minimum passing-beam illumination according to the paragraph 6.2.8.1. of this Regulation; (i) Mounting and operation specifications for test purposes; (j) Any other relevant information; (k) In the case of LED module(s) this shall include: (i) A brief technical specification of the LED module(s); (ii) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux and for each LED module a statement whether it is replaceable or not; (iii) In case of electronic light source control gear, information on the electrical interface necessary for approval testing; (l) In the case of adaptation of the driving-beam, which lighting units⁴ provide or contribute to the gradual adaptation of the driving-beam and of the sensor system along with the technical characteristics relevant to their operation. Ps. ³ To be indicated in a form conforming to the model of Annex 1.		<u>是否為可更換式。</u> <u>(c)具電子式光源控制器者，其電力連接說明。</u> <u>12.3.12 若為遠光光束適路功能，其與遠光及感知器系統等漸進調適狀態相關之照明元件，以及其作動相關之技術特性說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文						
4 To be indicated in a form conforming to the model of Annex 10. ... Annex 1 Communication 1. Trade name or mark of the system: 2. Manufacturer's name for the type of system: .. 3. Manufacturer's name and address: 4. If applicable, name and address of manufacturer's representative: 5. Submitted for approval on:..... 6. Technical Service responsible for conducting approval tests: ... 7. Date of report issued by that Service: 8. Number of report issued by that Service:..... 9. Brief description: 9.1. Category as described by the relevant marking³ 9.2. Number and category(ies) of replaceable light sources 9.2.1. Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not: <table><tr><th>Number</th><th>Identification</th><th>Replaceable</th></tr><tr><td></td><td></td><td>Yes/No²</td></tr></table> 9.2.2. Number and specific identification	Number	Identification	Replaceable			Yes/No ²			
Number	Identification	Replaceable							
		Yes/No ²							

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
code(s) of electronic light source control gear(s), if applicable.. 9.2.3. Total objective luminous flux as described in paragraph 5.13 exceeds 2,000 lumens: yes/no2 9.3. (a) Indications according to paragraph 6.4.6. of this Regulation (which lighting unit(s) provide a "cut-off" as defined in Annex 8 to this Regulation, that projects into a zone extending from 6 degrees left to 4 degrees right and upwards from a horizontal line positioned at 0.8 degree down) (b) The adjustment of the "cut-off" has been determined at 10 m / 25 m2. (c) The determination of the minimum sharpness of the "cut-off" has been carried out at 10 m / 25 m2 9.4. The vehicle(s) for which the system is intended as original equipment 9.5. Whether approval is sought for a system which is not intended to be included as part of the approval of a vehicle type according to Regulation No. 48: yes/no2 9.5.1. If in the affirmative: information sufficient to identify the vehicle(s) for which the system is intended ... 9.6. Indications according to paragraph 6.4.7. of this Regulation (which Class E passing			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
beam mode(s), if any, comply with a "data set" of Table 6 of Annex 3 to this Regulation) 9.7. Whether approval is sought for a system intended to be installed on vehicles only, which provide means for a stabilization/limitation of the system's supply: yes/no² 9.8. The adjustment of the "cut-off" has been determined at 10 m / 25 m². The determination of the minimum sharpness of the "cut-off" has been carried out at 10 m / 25 m². 10. Approval mark(s) position(s): 11. Reason(s) for extension of approval:.... 12. Approval granted / extended / refused / withdrawn² 13. Place: . 14. Date: .. 15. Signature:... 16. The list of documents deposited with the Type Approval Authority, which has granted approval is annexed to this communication and may be obtained on request. ...			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
00-S1			
3. Application for approval 3.2. For each type of daytime running lamp, the application shall be accompanied by: 3.2.1. Drawings (three copies) in sufficient detail to permit identification of the type of the daytime running lamp and showing geometrically the position(s) in which the daytime running lamp may be mounted on the vehicle, the axis of observation to be taken as the axis of reference in the tests (horizontal angle $H = 0$ deg., vertical angle $V = 0$ deg.) and the point to be taken as the centre of reference in the said tests; and the illuminating surface, ... Annex 1 Communication ... 9. Concise description: By category of lamp: Number, category and kind of light source(s): .. Voltage and wattage: Application of an electronic light source control gear: (a) Being part of the lamp: Yes/No2 (b) Being not part of the lamp: Yes/No2		七十三、晝行燈 ... 12.申請者應至少提供規定所需受驗件及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。 12.1 規定3.之規格資料，與受驗件圖示及/或照片。 12.2 於車輛上裝設之幾何位置圖，包括試驗所需之參考軸(水平角度 $H = 0$ 度,垂直角度 $V = 0$ 度)、基準中心及發光表面。 12.3 簡要之技術說明 12.3.1 光源數量及類型。 12.3.2 電壓及功率。 12.3.3 電子式光源控制器之應用說明 (a)屬燈具一部分； (b)或非屬燈具一部分 由電子式光源控制器供應之輸入電壓。 12.3.3.1 電子式光源控制器之廠牌(或識別)及其識別碼(非在燈具本體內而屬燈具一部分之光源控制器)。	七十三、晝行燈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Input voltage supplied by an electronic light source control gear: Electronic light source control gear manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body):.			

UN R128 00-S3

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
00-S3			
2. Administrative provisions 2.2.2. Every application for approval shall be accompanied (see also paragraph 2.4.2.) by: 2.2.2.1. Drawings in triplicate, sufficiently detailed to permit identification of the type; 2.2.2.2. A brief technical description; 2.2.2.3. Five samples of each colour which has been applied for; 2.2.3. In the case of a type of LED light sources differing only by the trade name or mark from a type that has already been approved it shall be sufficient to submit: 2.2.3.1. A declaration by the manufacturer that the type submitted (a) Is identical with (except in the trade name or mark), and		七十四、LED (發光二極體)光源 ... <u>6.申請者應至少提供規定所需受驗件及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>6.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>6.2 足以辨別該類型之詳圖。</u> <u>6.3 簡要之技術說明。</u> <u>6.3.1 LED 光源類型、額定電壓及發光顏色。</u> <u>6.4 LED 光源與已認證之其他 LED 光源差別僅在於廠牌(或識別)不同者：</u> <u>6.4.1 關於該申請類型光源之下列聲明：</u> <u>(a)是否與已認證之其他 LED 光源一</u>	七十四、LED (發光二極體)光源

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
(b) Has been produced by the same manufacturer as the type already approved, the latter being identified by its approval code. 2.2.3.2. Two samples bearing the new trade name or mark. 2.2.4. The competent authority shall verify the existence of satisfactory arrangements for ensuring effective control of the conformity of production before type approval is granted. ... Annex 2 Communication ... 9. Concise description: ... Category of LED light source: Rated voltage: Colour(s) of the light emitted: White/amber/red		<u>致(廠牌及識別除外)，及</u> <u>(b)是否與已認證之其他 LED 光源屬於同一製造商製造。</u>	

UN R16 SAFETY BELTS 06-S5 2014/06/26 安全帶及束制系統

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
06-S5			
3. Application for approval		二十六之一、安全帶	二十六之一、安全帶
3.1. Vehicle type			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.1.1. The application for approval of a vehicle type with regard to the installation of its safety belts and restraint systems shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.1.2. It shall be accompanied by the under mentioned documents in triplicate and the following particulars: 3.1.2.1. Drawings of the general vehicle structure on an appropriate scale, showing the positions of the safety belts, and detailed drawings of the safety belts and of the points to which they are attached; 3.1.2.2. A specification of the materials used which may affect the strength of the safety belts; 3.1.2.3. A technical description of the safety belts; 3.1.2.4. In the case of safety belts affixed to the seat structure; 3.1.2.5. Detailed description of the vehicle type with regard to the design of the seats, of the seat anchorages and their adjustment		(本項基準為安全帶零組件規範，故建議不納入條文 3.1(以車輛類型申請認證)之規定)	

增/修內容	原內容	修訂國內法規條文案	對應國內法規條文
and locking systems; 3.1.2.6. Drawings, on an appropriate scale and in sufficient detail, of the seats, of their anchorages to the vehicle, and of their adjustment and locking systems; 3.1.3. At the opinion of the manufacturer, a vehicle representative of the vehicle type to be approved or the parts of the vehicle considered essential for the safety belt tests by the Technical Service conducting approval tests shall be submitted to the Service. 3.2. Safety-belt type 3.2.1. The application for approval of a type of safety-belt shall be submitted by the holder of the trade mark or by his duly accredited representative. In the case of restraint systems, the application for approval of a type of restraint system shall be submitted by the holder of the trade mark or by his representative or by the manufacturer of the vehicle in which it is to be installed or by his representative. 3.2.2. It shall be accompanied by:		<u>7.申請者應至少提供規定所需受驗件(或檢測所必要部份)及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>7.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>7.1.1 安全帶之技術描述，詳細說明所使用之織帶、硬質部位，並附上組成安全帶部件之圖示。</u> <u>7.1.2 安全帶顏色及使用此安全帶之車輛型式系列說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.2.2.1. A technical description of the belt type, specifying the straps and rigid parts used and accompanied by drawings of the parts making up the belt; the drawings shall show the position intended for the approval number and the additional symbol(s) in relation to the circle of the approval mark. The description shall mention the colour of the model submitted for approval, and specify the vehicle type(s) for which this belt type is intended. In the case of retractors, installation instructions for the sensing device shall be provided; and for pre-loading devices or systems a full technical description of the construction and function including the sensing, if any, describing the method of activation and any necessary method to avoid inadvertent activation shall be provided. In the case of a restraint system the description shall include: drawings of the vehicle structure and of the seat structure, adjustment system and attachments on an appropriate scale showing the sites of the seat anchorages		<u>7.1.3 具有捲收器者：</u> <u>7.1.3.1 感應裝置之安裝說明。</u> <u>7.1.4 具有預負載裝置或系統者：</u> <u>7.1.4.1 構造及功能(包括具有之感應功能)完整技術說明。</u> <u>7.1.4.2 作動方式，及避免非預期作動之任何必要方式之技術說明。</u> <u>7.1.5 具高度調整器且固定於車輛結構者，該裝置是否視為安全帶之一部份之技術說明。</u> <u>7.1.6 束縛系統者，安全帶類型(三點式/二點式/特殊型式)、能量吸收器、捲收器或高度調整器之技術說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
and belt anchorages and reinforcements in sufficient detail; together with a specification of the materials used which may affect the strength of the seat anchorages and belt anchorages; and a technical description of the seat anchorages and the belt anchorages. If the belt is designed to be fixed to the vehicle structure through a belt adjustment device for height, the technical description shall specify whether or not this device is considered as a part of the belt; 3.2.2.2. Six samples of the belt type, one of which is for reference purposes; 3.2.2.3. A ten-metre length of each type of strap used in the type of belt; 3.2.2.4. The Technical Service conducting the type-approval tests shall be entitled to request further samples. 3.2.3. In the case of restraint systems, two samples which may include two of the samples of belts required under paragraphs 3.2.2.2. and 3.2.2.3. above at the option of the manufacturer, either a vehicle			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
representative of the vehicle type to be approved, or the part or parts of the vehicle considered essential by the Technical Service conducting approval tests for testing the restraint system shall be submitted to the Service.			
Annex 1B Communication 1. Restraint system (with)/three-point belt/lap belt/special type belt/fitted (with) energy absorber/retractor/device for height adjustment of the upper pillar loop³ 2. Trade name or mark 3. Manufacturer's designation of the type of belt or restraining system 4. Manufacturer's name 5. If applicable, name of his representative ... 6. Address 7. Submitted for approval on 8. Technical Service responsible for conducting approval tests 9. Date of test report issued by that Service .. 10. Number of test report issued by that			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Service 11. Type of device: deceleration/acceleration ² 12. Approval granted/refused/extended/ withdrawn ² for general use/for use in a particular vehicle or in particular types of vehicles ^{2, 4} 13. Position and nature of the marking 14. Place 15. Date 16. Signature 17. Annexed to this communication is a list of documents in the approval file deposited at Type Approval Authorities having delivered the approval and which can be obtained upon request. ... ² Strike out what does not apply. ³ Indicate which type.			

UN R14 SAFETY BELT ANCHORAGES 07-S6 2016/01/20 安全帶固定裝置

UN R16 SAFETY BELTS 06-S5 2014/06/26 安全帶及束制系統

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R14 07-S6			
3. Application for approval 3.1. The application for approval of a vehicle type with regard to the belt anchorages, the ISOFIX anchorages systems, the ISOFIX top tether anchorages and i-Size seating positions, if any, shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under mentioned documents in triplicate and by the following particulars: 3.2.1. Drawings of the general vehicle structure on an appropriate scale, showing the positions of the belt anchorages, of the effective belt anchorages (where appropriate), of the ISOFIX anchorages systems, of ISOFIX top tether anchorages if any and in case of i-Size seating positions, the vehicle floor contact surface and detailed drawings of the belt anchorages, of the ISOFIX anchorages systems if any, of the ISOFIX top tether		四十八之二、安全帶固定裝置 ... <u>8.申請者應至少提供規定所需受驗件(或檢測所必要車輛部份)及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>8.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>8.1.1 適當比例之受驗件整體結構圖示，包括下列組件位置：</u> <u>(a)安全帶固定器</u> <u>(b)有效安全帶固定器 (依實際安裝狀況)</u> <u>(c)ISOFIX 固定器系統(依實際安裝狀況)</u> <u>(d)ISOFIX 上固定帶固定器(依實際安裝狀況)</u> <u>(e)車輛地板接觸面(具 i-Size 座椅位置者)。</u> <u>8.1.2 上列各組件之詳細圖示。</u> <u>8.1.3 影響安全帶固定器、ISOFIX 固定器系統、ISOFIX 上固定帶固定器 (依實際安裝狀況)及車輛地板接觸</u>	四十八之二、安全帶固定裝置

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文																									
anchorage if any, and of the points to which they are attached and in case of i-Size seating positions, the vehicle floor contact surface; 3.2.2. A specification of the materials used which may affect the strength of the belt anchorages, of the ISOFIX anchorages systems and ISOFIX top tether anchorages if any and in case of i-Size seating positions, the vehicle floor contact surface; 3.2.3. A technical description of the belt anchorages, of the ISOFIX anchorages systems and ISOFIX top tether anchorages if any; 3.2.4. In the case of belt anchorages, of the ISOFIX anchorages systems and of ISOFIX top tether anchorages if any affixed to the seat structure: 3.2.4.1. Detailed description of the vehicle type with regard to the design of the seats, of the seat anchorages and of their adjustment and locking systems; 3.2.4.2. Drawings, on an appropriate scale and in sufficient detail, of the seats, of their		<u>面(若為 i-Size 座椅位置)強度之使用材質規格。</u> <u>8.1.4 安全帶固定器、ISOFIX 固定器系統及 ISOFIX 上固定帶固定器(依實際安裝狀況)之技術描述。</u> <u>8.1.5 座椅結構上裝設安全帶固定器、ISOFIX 固定器系統及 ISOFIX 上固定帶固定器者：</u> <u>8.1.5.1 適用車輛型式系列內所包含座椅、座椅固定器及其調整及鎖定系統之詳細描述。</u> <u>8.1.5.2 車輛座椅、座椅固定器及其調整/鎖定系統之詳細圖示(適當比例)。</u> <u>8.1.6 安裝於固定器之指定安全帶及捲收器類型：</u> <table><tr><td></td><td></td><td colspan="2"><u>固定器*</u></td><td></td><td></td></tr><tr><td></td><td></td><td><u>車體安裝式</u></td><td><u>座椅組合式</u></td><td></td><td></td></tr><tr><td rowspan="4"><u>前排</u></td><td rowspan="3"><u>右側座椅</u></td><td><u>下部固定器</u></td><td><u>外側</u></td><td rowspan="3"></td><td rowspan="3"></td></tr><tr><td></td><td><u>內側</u></td></tr><tr><td colspan="2"><u>上部固定器</u></td></tr><tr><td><u>中間座</u></td><td><u>下部固</u></td><td><u>右側</u></td></tr></table>			<u>固定器*</u>						<u>車體安裝式</u>	<u>座椅組合式</u>			<u>前排</u>	<u>右側座椅</u>	<u>下部固定器</u>	<u>外側</u>				<u>內側</u>	<u>上部固定器</u>		<u>中間座</u>	<u>下部固</u>	<u>右側</u>	
		<u>固定器*</u>																										
		<u>車體安裝式</u>	<u>座椅組合式</u>																									
<u>前排</u>	<u>右側座椅</u>	<u>下部固定器</u>	<u>外側</u>																									
			<u>內側</u>																									
		<u>上部固定器</u>																										
	<u>中間座</u>	<u>下部固</u>	<u>右側</u>																									

增/修內容	原內容	修訂國內法規條文案草案						對應國內法規條文
anchorage to the vehicle, and of their adjustment and locking systems. 3.2.5. Evidence that the safety-belt or the restraint system used in the anchorages approval test complies with Regulation No. 16, in the case where the car manufacturer chooses the alternative dynamic strength test. 3.3. At the option of the manufacturer, a vehicle representative of the vehicle type to be approved or the parts of the vehicle considered essential for the belt anchorages test, for the ISOFIX anchorages systems, of ISOFIX top tether anchorages test if any and in case of i-Size seating positions, the vehicle floor contact surface test, by the technical service conducting approval tests shall be submitted to the service.			<u>椅</u>	<u>定</u> <u>器</u>	<u>左側</u>			
				<u>上部固定器</u>				
			<u>左側</u> <u>座</u> <u>椅</u>	<u>下</u> <u>部</u> <u>固</u> <u>定</u> <u>器</u>	<u>外側</u>			
					<u>內側</u>			
				<u>上部固定器</u>				
			<u>右側</u> <u>座</u> <u>椅</u>	<u>下</u> <u>部</u> <u>固</u> <u>定</u> <u>器</u>	<u>外側</u>			
					<u>內側</u>			
				<u>上部固定器</u>				
			<u>中</u> <u>間</u> <u>座</u> <u>椅</u>	<u>下</u> <u>部</u> <u>固</u> <u>定</u> <u>器</u>	<u>右側</u>			
					<u>左側</u>			
				<u>上部固定器</u>				
			<u>左側</u> <u>座</u> <u>椅</u>	<u>下</u> <u>部</u> <u>固</u> <u>定</u> <u>器</u>	<u>外側</u>			
					<u>內側</u>			
				<u>上部固定器</u>				
Annex 1 Communication 1. Trade name or mark of the power-driven vehicle 2. Type of vehicle 3. Manufacturer's name and address		<u>*將下列字母填入實際位置：</u> <u>"A"：三點式安全帶。</u> <u>"B"：兩點式安全帶。</u> <u>"S"：特殊型式安全帶，若為此型式，則應於表格下方說明其幾何特性。</u> <u>"Ar"、"Br"或"Sr"：具有捲收器之安全</u>						

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文																																																	
4. If applicable, name and address of manufacturer's representative 5. Designation of the type of belts and retractors authorized for fitting to the anchorages with which the vehicle is equipped: <table><tr><td></td><td colspan="2"></td><td colspan="2">Anchorage on</td><td></td><td></td></tr><tr><td></td><td colspan="2"></td><td>vehicle structure</td><td>seat structure</td><td></td><td></td></tr><tr><td rowspan="8">Front</td><td rowspan="2">Right-hand seat</td><td>lower anchorages</td><td>outboard</td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td></tr><tr><td>upper anchorage</td><td>inboard</td></tr><tr><td rowspan="2">Middle seat</td><td>lower anchorages</td><td>right</td></tr><tr><td>upper anchorage</td><td>left</td></tr><tr><td rowspan="2">Left-hand seat</td><td>lower anchorages</td><td>outboard</td></tr><tr><td>upper anchorage</td><td>inboard</td></tr><tr><td rowspan="6">Rear</td><td rowspan="2">Right-hand seat</td><td>lower anchorages</td><td>outboard</td></tr><tr><td>upper anchorage</td><td>inboard</td></tr><tr><td rowspan="2">Middle seat</td><td>lower anchorages</td><td>right</td></tr><tr><td>upper anchorage</td><td>left</td></tr><tr><td rowspan="2">Left-hand seat</td><td>lower anchorages</td><td>outboard</td></tr><tr><td>upper anchorage</td><td>inboard</td></tr></table>				Anchorage on							vehicle structure	seat structure			Front	Right-hand seat	lower anchorages	outboard				upper anchorage	inboard	Middle seat	lower anchorages	right	upper anchorage	left	Left-hand seat	lower anchorages	outboard	upper anchorage	inboard	Rear	Right-hand seat	lower anchorages	outboard	upper anchorage	inboard	Middle seat	lower anchorages	right	upper anchorage	left	Left-hand seat	lower anchorages	outboard	upper anchorage	inboard		<u>帶。</u> <u>"Ae"、"Be"或"Se"：具有能量吸收器之安全帶。</u> <u>"Are"、"Bre"或"Sre"：至少於一個固定器上具有捲收器及能量吸收器之安全帶。</u> <u>8.1.6 裝設於座椅結構之安全帶固定器或具能量吸收裝置者，搭配之特定安全帶類型描述。</u>	
			Anchorage on																																																	
			vehicle structure	seat structure																																																
Front	Right-hand seat	lower anchorages	outboard																																																	
		upper anchorage	inboard																																																	
	Middle seat	lower anchorages	right																																																	
		upper anchorage	left																																																	
	Left-hand seat	lower anchorages	outboard																																																	
		upper anchorage	inboard																																																	
	Rear	Right-hand seat	lower anchorages				outboard																																													
			upper anchorage				inboard																																													
Middle seat		lower anchorages	right																																																	
		upper anchorage	left																																																	
Left-hand seat		lower anchorages	outboard																																																	
		upper anchorage	inboard																																																	
* Insert in the actual position the following letter(s): "A" for a three-point belt, "B" for lap belts, "S" for special-type belts; in this case the type shall be stated under "Remarks", "Ar", "Br" or "Sr" for belts with retractors, "Ae", "Be" or "Se" for belts with an energy absorption device, "Are", "Bre" or "Sre" for belts with retractors and energy-absorption devices on at least																																																				

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
one anchorage. Remarks: 6. Description of seats³ 7. Utilises ISOFIX exemption permitted by paragraph 5.3.8.8. of this Regulation: Yes/No² 8. Description of the adjustment, displacement and locking systems either of the seat or of its parts³:..... 9. Description of seat anchorage³: 10. Description of particular type of safety-belt required in the case of an anchorage located in the seat structure or incorporating an energy-dissipating device: 11. Vehicle submitted for approval on: 12. Technical Service responsible for conducting approval tests: 13. Date of report issued by that Service: 14. Number of report issued by that Service:.. 15. Approval granted/extended/refused/withdrawn² 16. Position of approval mark on vehicle: 17. Place: 18. Date:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
19. Signature: 20. The following documents, filed with the administration service which has granted approval and available on request are annexed to this communication: drawings, diagrams and plans of the belt anchorages, ISOFIX anchorages systems, of the top tether anchorages if any, vehicle floor contact surface of i-Size seating positions if any, and of the vehicle structure; photographs of the belt anchorages, of the ISOFIX anchorages systems, of the top tether if any, vehicle floor contact surface of i-Size seating positions if any, and of the vehicle structure; Drawings, diagrams and plans of the seats, of their anchorage on the vehicle, of the adjustment and displacement systems of the seats and of their parts and of their locking devices³; Photographs of the seats, of their anchorage, of the adjustment and displacement systems of the seats and of their parts, and of their locking devices³.			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R16 06-S5			
3. Application for approval 3.1. Vehicle type 3.1.1. The application for approval of a vehicle type with regard to the installation of its safety-belts and restraint systems shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.1.2. It shall be accompanied by the under mentioned documents in triplicate and the following particulars: 3.1.2.1. Drawings of the general vehicle structure on an appropriate scale, showing the positions of the safety-belts, and detailed drawings of the safety-belts and of the points to which they are attached; 3.1.2.2. A specification of the materials used which may affect the strength of the safety-belts; 3.1.2.3. A technical description of the safety-belts; 3.1.2.4. In the case of safety-belts affixed to the seat structure;		(將 UN R16 條文 3.1 之規定併於本項基準 3.2.1.1 規定)	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.1.2.5. Detailed description of the vehicle type with regard to the design of the seats, of the seat anchorages and their adjustment and locking systems; 3.1.2.6. Drawings, on an appropriate scale and in sufficient detail, of the seats, of their anchorages to the vehicle, and of their adjustment and locking systems; 3.1.3. At the opinion of the manufacturer, a vehicle representative of the vehicle type to be approved or the parts of the vehicle considered essential for the safety-belt tests by the Technical Service conducting approval tests shall be submitted to the Service. 3.2. Safety belt type 3.2.1. The application for approval of a type of safety belt shall be submitted by the holder of the trade mark or by his duly accredited representative. In the case of restraint systems, the application for approval of a type of restraint system shall be submitted by the holder of the trade mark or by his representative or by the		(條文 3.2 為安全帶單品規定，已納入 261.申請者應提供文件，故建議 482. 不納入此規定)	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
manufacturer of the vehicle in which it is to be installed or by his representative. 3.2.2. It shall be accompanied by: 3.2.2.1. A technical description of the belt type, specifying the straps and rigid parts used and accompanied by drawings of the parts making up the belt; the drawings shall show the position intended for the approval number and the additional symbol(s) in relation to the circle of the approval mark. The description shall mention the colour of the model submitted for approval, and specify the vehicle type(s) for which this belt type is intended. In the case of retractors, installation instructions for the sensing device shall be provided; and for pre-loading devices or systems a full technical description of the construction and function including the sensing, if any, describing the method of activation and any necessary method to avoid inadvertent activation shall be provided. In the case of a restraint system the description shall include: drawings of the vehicle structure			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
and of the seat structure, adjustment system and attachments on an appropriate scale showing the sites of the seat anchorages and belt anchorages and reinforcements in sufficient detail; together with a specification of the materials used which may affect the strength of the seat anchorages and belt anchorages; and a technical description of the seat anchorages and the belt anchorages. If the belt is designed to be fixed to the vehicle structure through a belt adjustment device for height, the technical description shall specify whether or not this device is considered as a part of the belt; 3.2.2.2. Six samples of the belt type, one of which is for reference purposes; 3.2.2.3. A ten-metre length of each type of strap used in the type of belt; 3.2.2.4. The Technical Service conducting the type approval tests shall be entitled to request further samples. 3.2.3. In the case of restraint systems, two samples which may include two of the			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
samples of belts required under paragraphs 3.2.2.2. and 3.2.2.3. above at the option of the manufacturer, either a vehicle representative of the vehicle type to be approved, or the part or parts of the vehicle considered essential by the Technical Service conducting approval tests for testing the restraint system shall be submitted to the Service.			
Annex 1A Communication 1. General 1.1. Make (trade name of manufacturer) 1.2. Type and general commercial description(s) 1.3. Means of identification of type, if marked on the vehicle 1.3.1. Location of that marking 1.4. Category of vehicle 1.5. Name and address of manufacturer 1.6. Address(es) of assembly plant(s) 1.7. Technical Service responsible for carrying out the test		(將 UN R16 Annex 1A 之規定併於本項基準 3.2.1.1 規定)	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
1.8. Date of test report 1.9. Number of test report 2. General construction characteristics of the vehicle 2.1. Photographs and/or drawings of a representative vehicle 3. Bodywork 3.1. Seats 3.1.1. Number 3.1.2. Position and arrangement 3.1.2.1. Seating position(s) designated for use only when the vehicle is stationary..... 3.1.3. Characteristics: description and drawings of: 3.1.3.1. The seats and their anchorages 3.1.3.2. The adjustment system 3.1.3.3. The displacement and locking systems 3.1.3.4. The seat belt anchorages if incorporated in the seat structure 3.2. Safety-belts and/or other restraint systems 3.2.1. Number and position of safety-belts			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文																																																
and restraint systems and seats on which they can be used <table border="1"> <thead> <tr> <th></th><th>Complete type approval mark</th><th>Variant (if applicable)</th><th>Belt adjustment device for height (indicate yes/no/optional)</th></tr> </thead> <tbody> <tr> <td rowspan="3">First row of seats</td><td>R</td><td></td><td></td></tr> <tr> <td>C</td><td></td><td></td></tr> <tr> <td>L</td><td></td><td></td></tr> <tr> <td rowspan="3">Second row of seats</td><td>R</td><td></td><td></td></tr> <tr> <td>C</td><td></td><td></td></tr> <tr> <td>L</td><td></td><td></td></tr> </tbody> </table> (R = right-hand seats, C = centre seats, L = left hand seats) 3.2.2. Nature and position of supplementary restraint systems (indicate yes/no/optional). <table border="1"> <thead> <tr> <th></th><th>Front airbag</th><th>Side airbag</th><th>Belt preloading device</th></tr> </thead> <tbody> <tr> <td rowspan="3">First row of seats</td><td>R</td><td></td><td></td></tr> <tr> <td>C</td><td></td><td></td></tr> <tr> <td>L</td><td></td><td></td></tr> <tr> <td rowspan="3">Second row of seats</td><td>R</td><td></td><td></td></tr> <tr> <td>C</td><td></td><td></td></tr> <tr> <td>L</td><td></td><td></td></tr> </tbody> </table> (R = right-hand seats, C = centre seats, L = left hand seats) 3.2.3. Number and position of safety-belt anchorages and proof of compliance with Regulation No. 14 (i.e. type approval number or test report). 3.3. Driver's safety-belt reminder (indicate yes/no²) 4. Place 5. Date 6. Signature		Complete type approval mark	Variant (if applicable)	Belt adjustment device for height (indicate yes/no/optional)	First row of seats	R			C			L			Second row of seats	R			C			L				Front airbag	Side airbag	Belt preloading device	First row of seats	R			C			L			Second row of seats	R			C			L					
	Complete type approval mark	Variant (if applicable)	Belt adjustment device for height (indicate yes/no/optional)																																																
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UN R17 SEATS 08-S3 2016/01/20 座椅、座椅固定器及頭枕

UN R80 SEAT (LARGE PASSENGER VEHICLE) 03-S1 2016/01/20 大型客車座椅

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R17 08-S3			
3. Application for approval 3.1. The application for approval of a vehicle type shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the following documents in triplicate and the following particulars: 3.2.1. A detailed description of the vehicle type with regard to the design of the seats, their anchorages, and their adjustment, displacement and locking systems; 3.2.1.1. A detailed description and/or drawings of the partitioning system, if applicable. 3.2.2. Drawings, on an appropriate scale and in sufficient detail, of the seats, their anchorages on the vehicle, and their adjustment, displacement and locking systems. 3.2.3. In the case of a seat with a detachable head restraint:		四十九之一、座椅強度 <u>6.申請者應至少提供規定所需受驗件(或檢測所必要部份)及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>6.1 M1、N 類車輛</u> <u>6.1.1 規定 3.1.之規格資料，與受驗件圖示及/或照片。</u> <u>6.1.1.1 座椅、座椅固定裝置及其調整、位移及鎖定系統之詳細描述。</u> <u>6.1.1.1.1 分隔系統(行李移動傷害之乘員保護系統)之詳細描述(依實際安裝狀況)，與圖示及/或照片。</u> <u>6.1.1.2 座椅、車輛上座椅固定裝置及其調整、位移及鎖定系統之詳圖(適當比例)。</u> <u>6.1.1.3 座椅安裝之頭枕數量，頭枕為可調整式或不可調整式之說明。</u>	四十九之一、座椅強度

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.2.3.1. A detailed description of the head restraint, specifying in particular the nature of the padding material or materials; 3.2.3.2. A detailed description of the location, the type of support and the attachments for mounting the head restraint on the seat. 3.2.4. In the case of a separate head restraint: 3.2.4.1. A detailed description of the head restraint, specifying in particular the nature of the padding material or materials; 3.2.4.2. A detailed description of the location, and the attachments for fitting the head restraint to the structure of the vehicle. 3.3. The following shall be submitted to the Technical Service responsible for the approval tests: 3.3.1. A vehicle representative of the vehicle type to be approved or the parts of the vehicle which the Technical Service deems necessary for approval tests; 3.3.2. An additional set of the seats with which the vehicle is equipped, with their anchorages. 3.3.3. For vehicles with seats fitted or capable			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
of being fitted with head restraints, in addition to the requirements set out in paragraphs 3.3.1. and 3.3.2. above: 3.3.3.1. In the case of detachable head restraints: an additional set of seats, fitted with head restraints, with which the vehicle is equipped, together with their anchorages. 3.3.3.2. In the case of separate head restraints: an additional set of the seats with which the vehicle is equipped, with their anchorages, an additional set of the corresponding head restraints and the part of the vehicle structure to which the head restraint is fitted, or a complete structure.			
Annex 1 Communication 1. Trade name or mark of the motor vehicle .. 2. Vehicle type 3. Manufacturer's name and address..... 4. If applicable, name and address of the manufacturer's representative 5. Description of seats 6. Number of seats fitted or capable of being			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
fitted with head restraints, adjustable or not adjustable 7. Description of the adjustment, displacement and locking systems of the seat or of its parts and a description of occupant protection system against displacement of luggage: 8. Description of seat anchorage: 9. Longitudinal position of the seats during the tests: 10. Type of device: deceleration/acceleration² 11. Vehicle submitted for approval on: 12. Technical Service responsible for conducting approval tests: 13. Date of report issued by that Service: 14. Number of report issued by that Service: 15. Remarks 16. Approval is granted/extended/refused/withdrawn² 17. Reason(s) of extension (if applicable) 18. Position of approval mark on the vehicle 19. Place:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
20. Date: 21. Signature: 22. The following documents, bearing the approval number shown above, are annexed to this communication: Drawings, diagrams and plans of the seats, their anchorage on the vehicle, the adjustment and displacement systems of the seats and their parts, and their locking devices; Photographs of the seats, their anchorages, the adjustment and displacement systems of the seats and their parts, and their locking devices, and of additional occupant protection system against displacement of luggage. Note: In the case of seats fitted with head restraints as defined in paragraphs 2.12.2. and 2.12.3. of this Regulation, the head restraint shall be shown on all drawings, diagrams and photographs.			
R80 03-S1			
3. Application for approval 3.1. The application for approval of a seat		<u>6.2 M2、M3 類車輛</u> <u>6.2.1 申請者應至少提供規定所需受驗件(或檢測所必要部份)及下列文件</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
shall be submitted by the seat manufacturer or by his duly accredited representative. 3.2. The application for approval of the vehicle shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.3. The application for approval of a seat or a vehicle shall be accompanied by the following documents in triplicate and the following particulars: 3.3.1. For approval of a seat: 3.3.1.1. A detailed description of the seat, its attachment fittings and its adjustment, displacement and locking systems; 3.3.1.2. Drawings, on an appropriate scale and in sufficient detail, of the seat, its attachment fittings and adjustment, displacement and locking systems; 3.3.2. For approval of a vehicle: 3.3.2.1. A detailed description of the parts of the structure of the vehicle used as anchorages; 3.3.2.2. Drawings, on an appropriate scale and in sufficient detail, of the parts of the		<u>予檢測機構，確認座椅與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>6.2.1.1 規定 3.2 之規格資料，與受驗件圖示及/或照片。</u> <u>6.2.1.1.1 座椅、座椅固定裝置及其調整、位移及鎖定系統之詳細描述。</u> <u>6.2.1.1.2 座椅、座椅固定裝置及其調整、位移及鎖定系統之詳圖(適當比例)。包含固定點間之最小距離。</u> <u>6.2.1.1.3 座椅是否包含安全帶固定器之說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
vehicle used as anchorages. 3.4. The following shall be submitted to the technical service responsible for the approval tests: 3.4.1. Two seats representative of the type to be approved, in the case of approval of a seat; 3.4.2. A part of the vehicle structure, in the case of approval of a vehicle.			
Annex 1 Communication 1. Trade name or mark of the seat: 2. Seat type: 3. Manufacturer's name and address: 4. If applicable, name and address of the manufacturer's representative: 5. Additional information: 5.1. Brief description of the seat type, its attachment fittings and its adjustment, displacement and locking systems including the minimum distance between fitting points: 5.2. Position and arrangement of seats:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
5.3. Seats, if any, which incorporate a safety belt anchorage: 5.4. Energy absorption test of the rear part of the seat-back: yes/no ² 5.5. Drawings showing the area of the rear part of the seat-back verified for energy dissipation: 5.6. Seat approved in accordance with paragraph 5.1. of this Regulation (dynamic test): yes/no ² 5.6.1. Test 1 according to Appendix 1: yes/no ² 5.6.2. Test 2 according to Appendix 1: yes/no ² 5.6.3. Description of the safety-belts and anchorages used for the purpose of test ² : .. 5.6.4. Type of auxiliary seat used for test 2 (if different from the type of seat approved): .. 5.7. Seat approved in accordance with paragraph 5.1. of this Regulation (static test): yes/no ² 5.8. Test according to Appendix 5: yes/no ² 5.9. Test according to Appendix 6: yes/no ² 6. Seat submitted for approval on:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
7. Type of device: deceleration/acceleration ² 8. Technical Service, responsible for the approval test: 9. Date of report issued by that Service: 10. Number of report issued by that Service: . 11. Approval granted/refused/extended/withdrawn ² 12. Position of approval mark on the seat: 13. Place: 14. Date: 15. Signature: 16. The following documents, bearing the approval number shown above, are available on request:			

UN R11 DOOR LATCHES AND HINGES 04 2015/06/15 門門／鉸鏈

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
R11 04			參考 104 上半年度報部內容
3. Application for approval 3.1. The application for approval of a vehicle type with regard to door latches and door retention components shall be submitted by the vehicle manufacturer or by his duly		五十一之二、門門／鉸鏈(草案) ... <u>6.申請者應至少提供規定所需受驗件(或檢測所必要車輛部份)及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文</u>	五十一之二、門門／鉸鏈(草案)

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
accredited representative. 3.2. It shall be accompanied by the under mentioned documents in triplicate and the following particulars: 3.2.1. Drawings of the doors and of their latches and door retention components on an appropriate scale and in sufficient detail; 3.2.2. A technical description of the latches and door retention components. 3.3. The application shall also be accompanied by: 3.3.1. A batch of five sets of retention components per door. When, however, the same sets are used for several doors, it will be sufficient to submit one batch of sets. Sets of door retention components which are distinguishable only because they are designed to be fitted on the left or on the right are not regarded as different; 3.3.2. A batch of five complete latches, including actuating mechanism, per door. When, however, the same complete latches are used for several doors, it will be sufficient to submit one batch of latches.		<u>件紀錄備查。</u> <u>6.1 規定 3.之規格資料，與受驗件圖示及/或照片。</u> <u>6.1.1 車門及其門門與車門支撐組件之詳圖(適當比例)。</u> <u>6.1.2 門門及車門支撐組件之技術描述。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Latches which are distinguishable only because they are designed to be fitted on the left or on the right are not regarded as different. 3.4. A vehicle, representative of the vehicle type to be approved, shall be submitted to the technical service responsible for conducting approval tests.			
Annex 1 Communication 1. Trade name or mark of the motor vehicle: 2. Vehicle type: 3. Manufacturer's name and address: 4. Name and address of the manufacturer's representative (if applicable): 5. Vehicle submitted for approval on: 6. Technical Service responsible for conducting approval tests: 7. Date of test report: 8. Number of test report: 9. Remarks: the type of vehicle with the number of doors (sedan 2 doors, 4 doors –			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
station wagon 4 doors ...) 10. Position of approval mark: 11. Reason(s) of extension (if applicable): ... 12. Approval granted/refused/extended/ withdrawn ² 13. Place: 14. Date: 15. Signature: 16. The list of documents deposited at the Type Approval Authority which has granted approval is annexed to this communication and available upon request.			

UN R60 00-S4 2013/12/02 DRIVER OPERATED CONTROLS (MOPED, MOTOR CYCLE)

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
02-S16			
3. Application for approval 3.1. The application for approval of a vehicle type with regard to driver-operated controls shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under-mentioned documents in triplicate and the following particulars: 3.2.1. Drawings, on an appropriate scale and		二十四之一、機車控制器標誌 ... <u>5.申請者應至少提供一部代表車(或檢 測所必要車輛部份)及下列文件予 檢測機構，確認實車與文件內容一 致，且由檢測機構保存該文件紀錄 備查。</u> <u>5.1 規定 3.之規格資料，與實車圖示 及/或照片。</u>	二十四之一、機車控制器標誌

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
in sufficient detail of the parts of the vehicle to which the requirements of this Regulation relate and, where necessary, of the vehicle itself. 3.3. A vehicle representative of the vehicle type to be approved shall be submitted to the Technical Service responsible for conducting approval tests, for the checks referred to in paragraph 5. of this Regulation. Annex 1 Communication (maximum format: A4 (210 x 297 mm)) issued by: Name of administration:..... concerning:2 Approval granted Approval extended Approval refused Approval withdrawn Production definitively discontinued of a vehicle type with regard to driver-operated controls pursuant to Regulation No. 60. Approval No. Extension No. 1. Trade name or mark of the vehicle 2. Vehicle type 3. Manufacturer's name and address		<u>5.2 本項規定相關之控制器配置圖示及/或照片，及必要之實車圖示/或照片搭配說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
4. If applicable, name and address of manufacturer's representative 5. Brief description of the vehicle as regards the driver-operated controls 6. Vehicle submitted for approval on 7. Technical service responsible for conducting approval inspection 8. Date of report issued by that Service 9. Number of report issued by that Service 10. Approval granted/refused 11. Position of approval mark on the vehicle 12.Place 13.Date 14. Signature 15.The following documents, bearing the approval number shown above, are annexed to this communication: ... drawings, diagrams and layout plans of the driver-operated controls and of the parts of the vehicle considered to be of importance for the purposes of this Regulation.			

UN R13 Braking 11-S12 2015/06/22 動態煞車

UN R13H Braking(M1) 00-S16 2015/06/22 動態煞車

UN R78 (Category L) 03-C2 2010/10/27 動態煞車

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
UN R13 3. Application for approval 3.1. The application for approval of a vehicle type with regard to braking shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under-mentioned documents in triplicate and by the following particulars: 3.2.1. A description of the vehicle type with regard to the items specified in paragraph 2.2. above. The numbers and/or symbols identifying the vehicle type and, in the case of power-driven vehicles, the engine type shall be specified; 3.2.2. A list of the components, duly identified, constituting the braking system; 3.2.3. A diagram of assembled braking system and an indication of the position of its components on the vehicle; 3.2.4. Detailed drawings of each component to enable it to be easily located and identified. 3.3. A vehicle, representative of the vehicle type to be approved, shall be submitted to		四十二之三、動態煞車 ... <u>8.申請者應至少提供規定所需受驗件(或檢測所必要車輛部份)及下列文件予檢測機構，確認受驗件與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>8.1 規定 3.之車輛或底盤車或煞車總成規格資料，與圖示及/或照片。</u> <u>8.2 機動車輛之引擎類型。</u> <u>8.3 煞車系統內各組件清單。</u> <u>8.4 煞車系統總成之圖示及/或照片，包含各組件於實際安裝位置之標示，</u> <u>8.5 各組件之詳圖，並足以供找到其於煞車系統內之位置與識別。</u> <u>8.6 煞車鼓/碟盤之必要更換時機之容許最大磨耗極限資訊(依規定 5.1.14.2.2)。</u> <u>8.7 控制傳輸失效及影響之分析(依規定 5.1.19.3.1)。</u>	四十二之三、動態煞車

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
the Technical Service conducting the approval tests. 3.4. The Type Approval Authority shall verify the existence of satisfactory arrangements for ensuring effective control of the conformity of production before type approval is granted. UN R13H 3. Application for approval 3.1. The application for approval of a vehicle type with regard to braking shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under-mentioned documents in triplicate and by the following particulars: 3.2.1. A description of the vehicle type with regard to the items specified in paragraph 2.2. above. The numbers and/or symbols identifying the vehicle type and the engine type shall be specified; 3.2.2. A list of the components, duly identified, constituting the braking equipment; 3.2.3. A diagram of assembled braking equipment and an indication of the position of its components on the vehicle; 3.2.4. Detailed drawings of each component			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
to enable it to be easily located and identified. 3.3. A vehicle, representative of the vehicle type to be approved, shall be submitted to the Technical Service conducting the approval tests. UN R78 3. APPLICATION FOR APPROVAL 3.1. The application for approval of a vehicle type with regard to braking shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under mentioned documents in triplicate and by the following particulars: 3.2.1. A description of the vehicle type with regard to the items specified in paragraph 2.27. The numbers and/or symbols identifying the vehicle type and the engine type shall be specified; 3.2.2. A list of components, duly identified, constituting the braking device; 3.2.3. A diagram of the assembled braking system and an indication of the position of its components on the vehicle; 3.2.4. Detailed drawings of each component to enable it to be easily located and			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
identified. 3.3. A vehicle, representative of the vehicle type to be approved, shall be submitted to the technical service responsible for conducting the approval tests.			

UN R95 PROTECTION OF THE OCCUPANTS IN THE EVENT OF A LATERAL COLLISION 03-S5 2016/01/20 側方碰撞乘員保護

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
03-S5			
3. Application for approval 3.1. The application for approval of a vehicle type with regard to the protection of the occupants in the event of a lateral collision shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under mentioned documents in triplicate and the following particulars: 3.2.1. A detailed description of the vehicle type with respect to its structure, dimensions, lines and constituent materials; 3.2.2. Photographs and/or diagrams and drawings of the vehicle showing the vehicle		四十五之二、側方碰撞乘員保護 ... <u>9.申請者應至少提供一部代表車(或檢測所必要車輛部份)及下列文件予檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>9.1 規定 3.之車輛規格資料，與實車圖示及/或照片。</u> <u>9.1.1 車輛結構、尺寸、輪廓及組成材料詳細描述。</u> <u>9.1.2 車輛前視、側視及後視照片及/或圖示，及側方部位結構之設計詳圖。</u> <u>9.1.3 符合本項規定內名詞釋義之空車車重。</u> <u>9.1.4 車室之輪廓及內部尺寸。</u> <u>9.1.5 安裝於車輛內之相關側方內裝</u>	四十五之二、側方碰撞乘員保護

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
type in front, side and rear elevation and design details of the lateral part of the structure; 3.2.3. Particulars of the vehicle's mass as defined by paragraph 2.11. of this Regulation; 3.2.4. The lines and inside dimensions of the passenger compartment; 3.2.5. A description of the relevant side interior fittings and protective systems installed in the vehicle; 3.2.6. A general description of the electrical power source type, location and the electrical power train (e.g. hybrid, electric). 3.3. The applicant for approval shall be entitled to present any data and results of tests carried out which make it possible to establish that compliance with the requirements can be achieved on prototype vehicles with a sufficient degree of accuracy. 3.4. A vehicle which is representative of the type to be approved shall be submitted to the Technical Service responsible for		<u>及保護系統之說明。</u> <u>9.1.6 電源(Electrical power source)類型、位置及電能動力傳動系統(如混合動力，純電動)之描述。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
conducting the approval tests. 3.4.1. A vehicle not comprising all the components proper to the type may be accepted for tests provided that it can be shown that the absence of the components omitted has no detrimental effect on the performance prescribed in the requirements of this Regulation. 3.4.2. It shall be the responsibility of the applicant for approval to show that the application of paragraph 3.4.1 above is in compliance with the requirements of this Regulation.			
Annex 1 Communication 1. Trade name or mark of the power-driven vehicle: 2. Vehicle type: 3. Manufacturer's name and address: 4. If applicable, name and address of manufacturer's representative: 5. Vehicle submitted for approval on: 6. Side impact dummy utilized ES-1/ES-2:²...			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
7. Location of the electric power source: 8. Technical Service responsible for conducting approval tests: 9. Date of test report: 10. Number of test report: 11. Approval granted/refused/extended/withdrawn: ² 12. Position of approval mark on the vehicle: 13. Place: 14. Date: 15. Signature: 16. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.			

UN R94 PROTECTION OF THE OCCUPANTS IN THE EVENT OF A FRONTAL COLLISION 02-S5 2014/06/24 前方碰撞乘員保護

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
02-S5			
3. Application for approval 3.1. The application for approval of a vehicle type with regard to the protection of the		四十六之二、前方碰撞乘員保護 ... <u>8.申請者應至少提供一部代表車(或檢測所必要車輛部份)及下列文件予</u>	四十六之二、前方碰撞乘員保護

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
occupants of the front seats in the event of a frontal collision shall be submitted by the vehicle manufacturer or by his duly accredited representative. 3.2. It shall be accompanied by the under mentioned documents in triplicate and following particulars: 3.2.1. A detailed description of the vehicle type with respect to its structure, dimensions, lines and constituent materials; 3.2.2. Photographs, and/or diagrams and drawings of the vehicle showing the vehicle type in front, side and rear elevation and design details of the forward part of the structure; 3.2.3. Particulars of the vehicle's unladen kerb mass; 3.2.4. The lines and inside dimensions of the passenger compartment; 3.2.5. A description of the interior fittings and protective systems installed in the vehicle; 3.2.6. A general description of the electrical power source type, location and the		<u>檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>8.1 規定 3.之車輛規格資料，與實車圖示及/或照片。</u> <u>8.1.1 車輛結構、尺寸、輪廓及組成材料之詳細描述。</u> <u>8.1.2 車輛前視、側視及後視圖示及/或照片，及前方部位結構之設計詳圖。</u> <u>8.1.3 車輛無負載重量狀態之配置細目。</u> <u>8.1.4 車室之輪廓及內部尺寸。</u> <u>8.1.5 實車之內裝及保護系統之描述。</u> <u>8.1.6 電源(Electrical power source)類型、位置及電能動力傳動系統(如混合動力，純電動)之描述。</u> <u>8.1.7 引擎位置(前置/後置/中置)。</u> <u>8.1.8 驅動輪(前輪/後輪)。</u> <u>8.1.9 受驗車輛之前軸重/後軸重/總重。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
electrical power train (e.g. hybrid, electric). 3.3. The applicant for approval shall be entitled to present any data and results of tests carried out which make it possible to establish that compliance with the requirements can be achieved with a sufficient degree of confidence. 3.4. A vehicle which is representative of the type to be approved shall be submitted to the Technical Service responsible for conducting the approval tests. 3.4.1. A vehicle not comprising all the components proper to the type may be accepted for test provided that it can be shown that the absence of the components omitted has no detrimental effect on the results of the test in so far as the requirements of this Regulation are concerned. 3.4.2. It shall be the responsibility of the applicant for approval to show that the application of paragraph 3.4.1. above is compatible with compliance with the requirements of this Regulation.			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Annex 1 Communication 1. Trade name or mark of the power-driven vehicle 2. Vehicle type 3. Manufacturer's name and address 4. If applicable, name and address of manufacturer's representative 5. Brief description of the vehicle type as regards its structure, dimensions, lines and constituent materials 5.1. Description of the protective system installed in the vehicle..... 5.2. Description of interior arrangements or fittings that might affect the tests 5.3. Location of the electrical power source 6. Site of engine: forward/rear/central ² 7. Drive: front-wheel/rear-wheel ² 8. Mass of vehicle submitted for testing: Front axle: Rear axle:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Total: 9. Vehicle submitted for approval on 10. Technical Service responsible for conducting approval tests 11. Date of report issued by that Service 12. Number of report issued by that Service 13. Approval granted/refused/extended/withdrawn ² 14. Position of approval mark on vehicle 15. Place 16. Date 17. Signature 18. The following documents, bearing the approval number shown above, are annexed to this communication: 2 Strike out what does not apply.			

UN R107 06-S1 2015/06/22 CATEGORY M2 OR M3 VEHICLES WITH REGARD TO THEIR GENERAL CONSTRUCTION

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
06-S1			
3. Application for approval		五十四之二、火災防止規定	五十四之二、火災防止規定

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.1. The application for approval of: (a) A vehicle type or; (b) A separate technical unit type or; (c) A vehicle type fitted with bodywork type already approved as a separate technical unit. With regard to its constructional features shall be submitted by the responsible manufacturer or by his duly accredited representative. 3.2. In the case of an application for approval of a vehicle made by assembling a chassis with type-approved bodywork, the term manufacturer refers to the assembler. 3.3. A model for the information document relating to the constructional features is given in Annex 1 - Part 1. 3.3.1. Appendix 1: For a vehicle type, 3.3.2. Appendix 2: For a bodywork type, 3.3.3. Appendix 3: For a vehicle type fitted with bodywork already approved as a separate technical unit. 3.4. A vehicle(s) or a bodywork(s) representative of the type to be approved shall be submitted to the Technical Service responsible for conducting the type-approval tests.		... <u>7.申請者應至少提供一部代表車及下列文件予檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>7.1 符合 3.規定之車輛規格資料，與實車圖示及/或照片。包含尺寸(長/寬/高/前懸/後懸/輪距/軸距)標示。</u> <u>7.2 具有微電子控制器之各系統、零件或獨立組件，應提供其相關功能資料。</u> <u>7.3 引擎位置與配置。</u> <u>7.4 車身類型(單層/雙層/雙節/低地板)。</u> <u>7.5 內部(至少包含座椅/輪椅區/內裝/電器/電路)配置圖。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
Part 1 - Appendix 1 Model Information documents Model information document pursuant to Regulation No. 107 relating to type approval of category M2 or M3 vehicles with regard to their general construction The following information, if applicable, shall be supplied in triplicate and include a list of contents. Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4 or on a folder of A4 format. Photographs, if any, shall show sufficient detail. If the systems, components or separate technical units have electronic controls, information concerning their performance shall be supplied. 1. General 1.1. Make (trade name of manufacturer): 1.2. Type: 1.2.1. Chassis: 1.2.2. Bodywork/complete vehicle: 1.3. Means of identification of type, if marked on the vehicle(b): 1.3.1. Chassis: 1.3.2. Bodywork/complete vehicle:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
1.3.3. Location of that marking 1.3.3.1. Chassis: 1.3.3.2. Bodywork/complete vehicle: 1.4. Category of vehicle(c): 1.5. Name and address of manufacturer: 1.6. Address(es) of assembly plant(s): 2. General construction characteristics of the vehicle 2.1. Photographs and/or drawings of a representative vehicle: 2.2. Dimensional drawing of the whole vehicle: 2.3. Number of axles and wheels: 2.3.1. Number and position of axles with double wheels: 2.3.2. Number and position of steered axles: . 2.4. Chassis (if any) (overall drawing): 2.5. Material used for the side-members(d): 2.6. Position and arrangement of the engine: . 2.7. Driving cab (forward, or normal)(z): 2.8. Hand of drive: 2.8.1. Vehicle is equipped to be driven in right/left1 hand traffic. 2.9. Specify if the motor vehicle is intended to tow trailers and if the trailer is a semi-drawbar or centre-axle trailer: 3. Masses and dimensions(e) (in kg and mm) (refer to drawing where applicable) 3.1. Wheel base(s) (fully loaded)(f):			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.2. Range of vehicle dimensions (overall) ... 3.2.1. For chassis with bodywork: 3.2.1.1. Length(j): 3.2.1.2. Width(k): 3.2.1.3. Height (in running order)(l) (for suspension adjustable for height, indicate normal running position): 3.2.1.4. Front overhang(m): 3.2.1.5. Rear overhang(n): 3.3. Position of centre of gravity of the vehicle at its technically permissible maximum laden mass in the longitudinal, transverse and vertical directions: 3.4. Mass of the vehicle with bodywork, and in the case of a towing vehicle of a category other than M1, with coupling device, if fitted by the manufacturer, in running order, or the mass of the chassis or chassis with cab, without bodywork and/or coupling device if the manufacturer does not fit the bodywork and/or coupling device (including liquids, tools, spare wheel and driver, and, for buses and coaches, a crew member if there is a crew seat in the vehicle)(o) (maximum and minimum for each variant): 3.4.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre axle trailer, load on the coupling			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
point (maximum and minimum for each variant): 3.5. Technically permissible maximum laden mass stated by the manufacturer(y) (maximum and minimum for each variant): 3.5.1. Distribution of this mass among the axles (maximum and minimum for each variant): 3.6. Technically permissible maximum load/mass on each axle: 3.7. Technically permissible maximum mass on the coupling point: 3.7.1. Of the motor vehicle: 4. Bodywork 4.1. Type of bodywork: Single deck/double-deck/articulated/low floor1 4.2. Materials used and methods of construction: 5. Special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat 5.1. Class of vehicle (Class I, Class II, Class III, Class A, Class B): 5.2. Area for passengers (m2): 5.2.1. Total (So): 5.2.2. Upper deck (Soa):1 5.2.3. Lower deck (Sob):1			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
5.2.4. For standing passengers (S1): 5.3. Number of passengers (seated and standing): 5.3.1. Total (N):2, 3 5.3.2. Upper deck (Na):1, 2, 3 5.3.3. Lower deck (Nb):1, 2, 3 5.4. Number of passengers (seated):2 5.4.1. Total (A):2, 3 5.4.2. Upper deck (Aa):1, 2, 3 5.4.3. Lower deck (Ab):1, 2, 3 5.5. Crew seat: yes/no1 5.6. Number of service doors: 5.7. Number of emergency exits (doors, windows, escape hatches, intercommunication staircase and half staircase): 5.7.1. Total: 5.7.2. Upper deck:1 5.7.3. Lower deck:1 5.8. Volume of baggage compartments (m3): 5.9. Area for baggage transportation on the roof (m2): 5.10. Technical devices facilitating the access to vehicles (e.g. ramp, lifting platform, kneeling system), if fitted: 6. Special provisions for trolleybuses 6.1. Special environmental conditions for reliable operation:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
6.1.1. Temperature 6.1.2. External humidity level 6.1.3. Atmospheric pressure 6.1.4. Altitude 6.2. Vehicle 6.2.1. Dimensions with locked poles 6.2.2. Supply 6.2.3. Rated voltage of overhead line (V) 6.2.4. Rated line current of vehicle (A) including auxiliary drives, HVAC 6.2.5. Performance 6.2.6. Maximum velocity (km/h: normal service/autonomous service) 6.2.7. Maximum inclination (%: normal service/autonomous service) 6.2.8. Description of main power circuits 6.2.9. Circuit diagrams 6.2.10. Protection measures (overview diagrams and drawings) 6.2.11. Insulation monitoring (if any) 6.2.12. Make and type of monitoring device 6.2.13. Principle of monitoring, description... 6.2.14. Description of insulation levels of components 6.3. Electric motor 6.3.1. Make and type of electric motor 6.3.2. Type (winding, excitation) 6.3.3. Maximum hourly/continuous power			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
(kW) 6.3.4. Rated voltage (V) 6.3.5. Rated current (A) 6.3.6. Nominal frequency (Hz) 6.3.7. Location in the vehicle 6.4. Power electronics 6.4.1. Make an type of traction inverter 6.4.2. Maximum continuous power 6.4.3. Cooling system 6.4.4. Make and type of 24V-battery charger 6.4.5. Maximum continuous power 6.4.6. Cooling system 6.4.7. Make and type of 3-phase AC supply 6.4.8. Maximum continuous power 6.4.9. Cooling system 6.5. Power supply for autonomous service: 6.5.1. Storage system 6.5.2. Battery/supercaps 6.5.3. Make and type of storage system 6.5.4. Weight (kg) 6.5.5. Capacity (Ah) 6.5.6. Location in the vehicle 6.5.7. Make and type of control unit 6.5.8. Make and type of charger 6.5.9. Rated voltage (V) / minimum voltage (V), end of charge voltage (V) 6.5.10. Rated current (A) / max. discharge			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
current (A), max. charge current (A) 6.5.11. Diagram of operation, control and safety 6.5.12. Characteristics of charge periods 6.5.13. Motor-generator unit 6.5.14. Hourly/cont. power (kW) 6.5.15. Make and type of unit or of motor and generator 6.5.16. Fuel and fuel system 6.5.17. Location in the vehicle 6.6. Current collector 6.6.1. Make and type of current collector 6.6.2. Operation of current collector			

UN R107 06-S1 2015/06/22 CATEGORY M2 OR M3 VEHICLES WITH REGARD TO THEIR GENERAL CONSTRUCTION

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
06-S1			
3. Application for approval 3.1. The application for approval of: (a) A vehicle type or; (b) A separate technical unit type or; (c) A vehicle type fitted with bodywork type already approved as a separate technical unit. With regard to its constructional features shall be submitted by the responsible manufacturer or by his duly accredited		六十三之一、低地板大客車規格規定 ... <u>15.申請者應至少提供一部代表車及下列文件予檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>15.1 符合 3.規定之車輛規格資料，與實車圖示及/或照片。包含尺寸(長/寬/高/前懸/後懸/輪距/軸距)。</u> <u>15.2 具有微電子控制器之各系統、零</u>	六十三之一、低地板大客車規格規定

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
representative. 3.2. In the case of an application for approval of a vehicle made by assembling a chassis with type-approved bodywork, the term manufacturer refers to the assembler. 3.3. A model for the information document relating to the constructional features is given in Annex 1 - Part 1. 3.3.1. Appendix 1: For a vehicle type, 3.3.2. Appendix 2: For a bodywork type, 3.3.3. Appendix 3: For a vehicle type fitted with bodywork already approved as a separate technical unit. 3.4. A vehicle(s) or a bodywork(s) representative of the type to be approved shall be submitted to the Technical Service responsible for conducting the type-approval tests. Part 1 - Appendix 1 Model Information documents Model information document pursuant to Regulation No. 107 relating to type approval of category M2 or M3 vehicles with regard to their general construction The following information, if applicable, shall be supplied in triplicate and include a		<u>件或獨立組件，其相關功能資料。</u> <u>15.3 引擎位置與配置。</u> <u>15.4 車身類型(單層/雙層/雙節)。</u> <u>15.5 車內配置圖、車輛出入口外觀圖、博愛座、輪椅區配置圖及嬰幼兒區配置圖，包含車輛部件必要之詳細資訊描述。</u> <u>15.6 裝設有利於上下車之技術裝置者，其操作說明(包含活動式坡道及/或跪傾系統及/或可伸縮式之階梯及/或輪椅升降平台)。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
list of contents. Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4 or on a folder of A4 format. Photographs, if any, shall show sufficient detail. If the systems, components or separate technical units have electronic controls, information concerning their performance shall be supplied. 1. General 1.1. Make (trade name of manufacturer): 1.2. Type: 1.2.1. Chassis: 1.2.2. Bodywork/complete vehicle: 1.3. Means of identification of type, if marked on the vehicle(b): 1.3.1. Chassis: 1.3.2. Bodywork/complete vehicle: 1.3.3. Location of that marking 1.3.3.1. Chassis: 1.3.3.2. Bodywork/complete vehicle: 1.4. Category of vehicle(c): 1.5. Name and address of manufacturer: 1.6. Address(es) of assembly plant(s): 2. General construction characteristics of the vehicle 2.1. Photographs and/or drawings of a representative vehicle:			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
2.2. Dimensional drawing of the whole vehicle: 2.3. Number of axles and wheels: 2.3.1. Number and position of axles with double wheels: 2.3.2. Number and position of steered axles: 2.4. Chassis (if any) (overall drawing): 2.5. Material used for the side-members(d): .. 2.6. Position and arrangement of the engine:.. 2.7. Driving cab (forward, or normal)(z): 2.8. Hand of drive: 2.8.1. Vehicle is equipped to be driven in right/left1 hand traffic. 2.9. Specify if the motor vehicle is intended to tow trailers and if the trailer is a semi-drawbar or centre-axle trailer: 3. Masses and dimensions(e) (in kg and mm) (refer to drawing where applicable) 3.1. Wheel base(s) (fully loaded)(f): 3.2. Range of vehicle dimensions (overall).... 3.2.1. For chassis with bodywork: 3.2.1.1. Length(j): 3.2.1.2. Width(k): 3.2.1.3. Height (in running order)(l) (for suspension adjustable for height, indicate normal running position): 3.2.1.4. Front overhang(m): 3.2.1.5. Rear overhang(n):			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.3. Position of centre of gravity of the vehicle at its technically permissible maximum laden mass in the longitudinal, transverse and vertical directions: 3.4. Mass of the vehicle with bodywork, and in the case of a towing vehicle of a category other than M1, with coupling device, if fitted by the manufacturer, in running order, or the mass of the chassis or chassis with cab, without bodywork and/or coupling device if the manufacturer does not fit the bodywork and/or coupling device (including liquids, tools, spare wheel and driver, and, for buses and coaches, a crew member if there is a crew seat in the vehicle)(o) (maximum and minimum for each variant): 3.4.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre axle trailer, load on the coupling point (maximum and minimum for each variant): 3.5. Technically permissible maximum laden mass stated by the manufacturer(y) (maximum and minimum for each variant): 3.5.1. Distribution of this mass among the axles (maximum and minimum for each variant):			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
3.6. Technically permissible maximum load/mass on each axle: 3.7. Technically permissible maximum mass on the coupling point: 3.7.1. Of the motor vehicle: 4. Bodywork 4.1. Type of bodywork: Single deck/double-deck/articulated/low floor1 4.2. Materials used and methods of construction: 5. Special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat 5.1. Class of vehicle (Class I, Class II, Class III, Class A, Class B): 5.2. Area for passengers (m2): 5.2.1. Total (So): 5.2.2. Upper deck (Soa):1 5.2.3. Lower deck (Sob):1 5.2.4. For standing passengers (S1): 5.3. Number of passengers (seated and standing): 5.3.1. Total (N):2, 3 5.3.2. Upper deck (Na):1, 2, 3 5.3.3. Lower deck (Nb):1, 2, 3 5.4. Number of passengers (seated):2 5.4.1. Total (A):2, 3 5.4.2. Upper deck (Aa):1, 2, 3			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
5.4.3. Lower deck (Ab):1, 2, 3 5.5. Crew seat: yes/no1 5.6. Number of service doors: 5.7. Number of emergency exits (doors, windows, escape hatches, intercommunication staircase and half staircase): 5.7.1. Total: 5.7.2. Upper deck:1 5.7.3. Lower deck:1 5.8. Volume of baggage compartments (m3): 5.9. Area for baggage transportation on the roof (m2): 5.10. Technical devices facilitating the access to vehicles (e.g. ramp, lifting platform, kneeling system), if fitted: 6. Special provisions for trolleybuses 6.1. Special environmental conditions for reliable operation: 6.1.1. Temperature 6.1.2. External humidity level 6.1.3. Atmospheric pressure 6.1.4. Altitude 6.2. Vehicle 6.2.1. Dimensions with locked poles 6.2.2. Supply 6.2.3. Rated voltage of overhead line (V) 6.2.4. Rated line current of vehicle (A)			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
including auxiliary drives, HVAC 6.2.5. Performance 6.2.6. Maximum velocity (km/h: normal service/autonomous service) 6.2.7. Maximum inclination (%: normal service/autonomous service) 6.2.8. Description of main power circuits 6.2.9. Circuit diagrams 6.2.10. Protection measures (overview diagrams and drawings) 6.2.11. Insulation monitoring (if any) 6.2.12. Make and type of monitoring device .. 6.2.13. Principle of monitoring, description . 6.2.14. Description of insulation levels of components 6.3. Electric motor 6.3.1. Make and type of electric motor 6.3.2. Type (winding, excitation) 6.3.3. Maximum hourly/continuous power (kW) 6.3.4. Rated voltage (V) 6.3.5. Rated current (A) 6.3.6. Nominal frequency (Hz) 6.3.7. Location in the vehicle 6.4. Power electronics 6.4.1. Make an type of traction inverter 6.4.2. Maximum continuous power 6.4.3. Cooling system			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
6.4.4. Make and type of 24V-battery charger.. 6.4.5. Maximum continuous power 6.4.6. Cooling system 6.4.7. Make and type of 3-phase AC supply 6.4.8. Maximum continuous power 6.4.9. Cooling system 6.5. Power supply for autonomous service: 6.5.1. Storage system 6.5.2. Battery/supercaps 6.5.3. Make and type of storage system 6.5.4. Weight (kg) 6.5.5. Capacity (Ah) 6.5.6. Location in the vehicle 6.5.7. Make and type of control unit 6.5.8. Make and type of charger 6.5.9. Rated voltage (V) / minimum voltage (V), end of charge voltage (V) 6.5.10. Rated current (A) / max. discharge current (A), max. charge current (A) 6.5.11. Diagram of operation, control and safety 6.5.12. Characteristics of charge periods 6.5.13. Motor-generator unit 6.5.14. Hourly/cont. power (kW) 6.5.15. Make and type of unit or of motor and generator 6.5.16. Fuel and fuel system 6.5.17. Location in the vehicle			

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
6.6. Current collector 6.6.1. Make and type of current collector 6.6.2. Operation of current collector			

UN R131 Advance emergency braking systems 00 2013/08/07 緊急煞車輔助系統

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
00			
3. Application for approval 3.1. The application for approval of a vehicle type with regard to the Advanced Emergency Braking System shall be submitted by the vehicle manufacturer or by his authorized representative. 3.2. It shall be accompanied by the documents mentioned below in triplicate: 3.2.1. A description of the vehicle type with regard to the items mentioned in paragraph 2.2., together with a documentation package which gives access to the basic design of the AEBS and the means by which it is linked to other vehicle systems or by which it directly controls output variables. The numbers and/or symbols identifying the vehicle type shall be specified. 3.3. A vehicle representative of the vehicle type to be approved shall be submitted to		七十二、緊急煞車輔助系統 ... <u>6.申請者應至少提供一部代表車(或檢測所必要車輛部份)及下列文件予檢測機構，確認實車與文件內容一致，且由檢測機構保存該文件紀錄備查。</u> <u>6.1 規定 3.之車輛規格資料，與實車圖示及/或照片。</u> <u>6.2 允許駕駛中斷 AEBS 系統之明確方式。</u> <u>6.3 AEBS 警示作動程序相關資料。</u> <u>6.4 其系統於所有負載條件下均可正常運作之說明文件。</u> (6.4 係參考本項基準之條文 4.4 擬定，條文如下： 4.4 除依 4.7 規定將系統關閉外，AEBS 系統應可於車輛所有負載狀態下，在車速 15 公里/小時至該車輛	七十二、緊急煞車輔助系統

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
the Technical Service conducting the approval tests. ... Annex 1 Communication 1. Trademark: 2. Type and trade name(s): 3. Name and address of manufacturer: ... 4. If applicable, name and address of manufacturer's representative: ... 5. Brief description of vehicle: 6. Data to enable the identification of the type of AEBS: ... 7. Date of submission of vehicle for approval: 8. Technical Service performing the approval tests: 9. Date of report issued by that Service: 10. Number of report issued by that Service: 11. Approval with regard to the AEBS is granted/refused:2 12. Place: ... 13. Date: 14. Signature: 15. Annexed to this communication are the following documents, bearing the approval number indicated above:		設計最高車速之範圍內作動。) <u>6.5 AEBS 型式系列識別方式說明。</u>	

增/修內容	原內容	修訂國內法規條文草案	對應國內法規條文
List of the positive actions enabling the driver to interrupt the braking phase Description of the AEBS warning strategy Details which enable the targets to be specifically identified 16. Any remarks:			