



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
MEETING OF THE WORKING GROUP OF THE WHOLE**

Abu Dhabi, United Arab Emirates, 7 to 11 November 2010

- Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2013/2014 Edition**
- 2.3: Part 3 — Dangerous Goods List, Special Provisions and Limited and Excepted Quantities**

TABLE 3-1 REQUIREMENT FOR GROSS MASS

(Presented by D. Brennan)

SUMMARY

This paper proposes that the requirements for gross mass for certain articles be reviewed to remove the unnecessary complications in completion of the dangerous goods transport document.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Over the last two biennia the text in Part 5;4.1.5.1 of the Technical Instructions has been revised to address substances and articles limited by a gross weight and also to address articles and substances where Table 3-1 indicates either “see...” or “no limit” in columns 10/11, 12/13.

1.2 These changes have been made to try to clarify for shippers and for airline acceptance staff just what must be shown of the dangerous goods transport document for the quantity of dangerous goods.

1.3 Despite the objective of making the quantity requirements clearer, there is still some confusion mostly related to the use of gross weight, either associated with the direct reference to “G” against the figure shown in Table 3-1 or for articles when Table 3-1 shows a packing instruction number or “no limit”.

1.4 The purpose of this paper is to propose that the requirement for the gross mass be reconsidered and to instead simply require that in all cases the shipper declares the net mass or volume for all substances and articles.

1.5 The appendix to this working paper identifies the items listed in Table 3-1 of the Technical Instructions which have a gross mass limitation as indicated by the addition of the letter “G” following the unit of measurement, have a “see PI” entry, or have “no limit” indicated across columns 10/11 and/or 12/13.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider revising the use of gross mass for the items listed in the appendix to this working paper and to consider revision of the existing text in Part 5;4.1.5.1 of the Technical Instructions to remove reference to the shipper having to declare and instead to standardize on the use of net mass or volume. For articles the net mass would be the mass of the article.

2.2 If the DGP-WG supports this approach a proposal identifying the detailed changes to the applicable provisions of the Technical Instructions will be submitted to DGP-WG/11.

APPENDIX

ITEMS IN TABLE 3-1 HAVING A GROSS MASS LIMITATION, A “SEE PI” ENTRY, OR A
“NO LIMIT” INDICATION IN COLUMNS 10, 11 AND OR 12/13

TABLE 3-1 ENTRIES WITH “G”

Name	UN no.	Class or Div	Passenger Aircraft		Cargo Aircraft Only	
			PI	Max Net Qty/Pkg	PI	Max Net Qty/Pkg
Batteries, dry, containing potassium hydroxide, solid	3028	8	871	25 kg G	871	230 kg G
Batteries, wet, filled with acid	2794	8	870	30 kg G	870	No limit
Batteries, wet, filled with alkali	2795	8	870	30 kg G	870	No limit
Cells, containing sodium	3292	4.3	492	25 kg G	492	No limit
Consumer commodity	8000	9	Y963	30 kg G	Y963	30 kg G
Lithium ion batteries	3480	9	965	5 kg G	965	35 kg G
Lithium metal batteries	3090	9	968	2.5 kg G	968	35 kg G

TABLE 3-1 ENTRIES WITH “SEE PI”

Name	UN no.	Class or Div	Passenger Aircraft		Cargo Aircraft Only	
			PI	Max Net Qty/Pkg	PI	Max Net Qty/Pkg
Dangerous goods in apparatus	3363	9	see 962		see 962	
Dangerous goods in machinery	3363	9	see 962		see 962	
Lithium ion batteries contained in equipment	3481	9	see 967		see 967	
Lithium ion batteries packed with equipment	3481	9	see 966		see 966	
Lithium metal batteries contained in equipment	3091	9	see 970		see 970	
Lithium metal batteries packed with equipment	3091	9	see 969		see 969	
Mercury in manufactured articles	2809	8	see 869		see 869	
Refrigerating machines	2857	2.2	see 211		see 211	

TABLE 3-1 ENTRIES WITH “NO LIMIT”

Name	UN no.	Class or Div	Passenger Aircraft		Cargo Aircraft Only	
			PI	Max Net Qty/Pkg	PI	Max Net Qty/Pkg
Articles, pressurized, hydraulic	3164	2.2	208	No limit	208	No limit
Articles, pressurized, pneumatic	3164	2.2	208	No limit	208	No limit
Batteries, containing sodium	3292	4.3	Forbidden		492	No limit
Batteries, wet, non-spillable	2800	8	872	No limit	872	No limit
Batteries, wet, filled with acid	2794	8	870	30 kg G	870	No limit
Batteries, wet, filled with alkali	2795	8	870	30 kg G	870	No limit
Battery-powered equipment	3171	9	952	No limit	952	No limit
Battery-powered vehicle	3171	9	952	No limit	952	No limit
Cells, containing sodium	3292	4.3	492	25 kg G	492	No limit
Engine, fuel cell, flammable gas powered	3166	9	Forbidden		951	No limit
Engine, fuel cell, flammable liquid powered	3166	9	950	No limit	950	No limit
Engine, internal combustion, flammable gas powered	3166	9	Forbidden		951	No limit
Engine, internal combustion, flammable liquid powered	3166	9	950	No limit	950	No limit
Life-saving appliances, not self-inflating	3072	9	955	No limit	955	No limit
Life-saving appliances, self-inflating	2990	9	955	No limit	955	No limit
Magnetized material	2807	9	953	No limit	953	No limit
Vehicle, fuel cell, flammable gas powered	3166	9	Forbidden		951	No limit
Vehicle, fuel cell, flammable liquid powered	3166	9	950	No limit	950	No limit
Vehicle, internal combustion, flammable gas powered	3166	9	Forbidden		951	No limit
Vehicle, internal combustion, flammable liquid powered	3166	9	950	No limit	950	No limit